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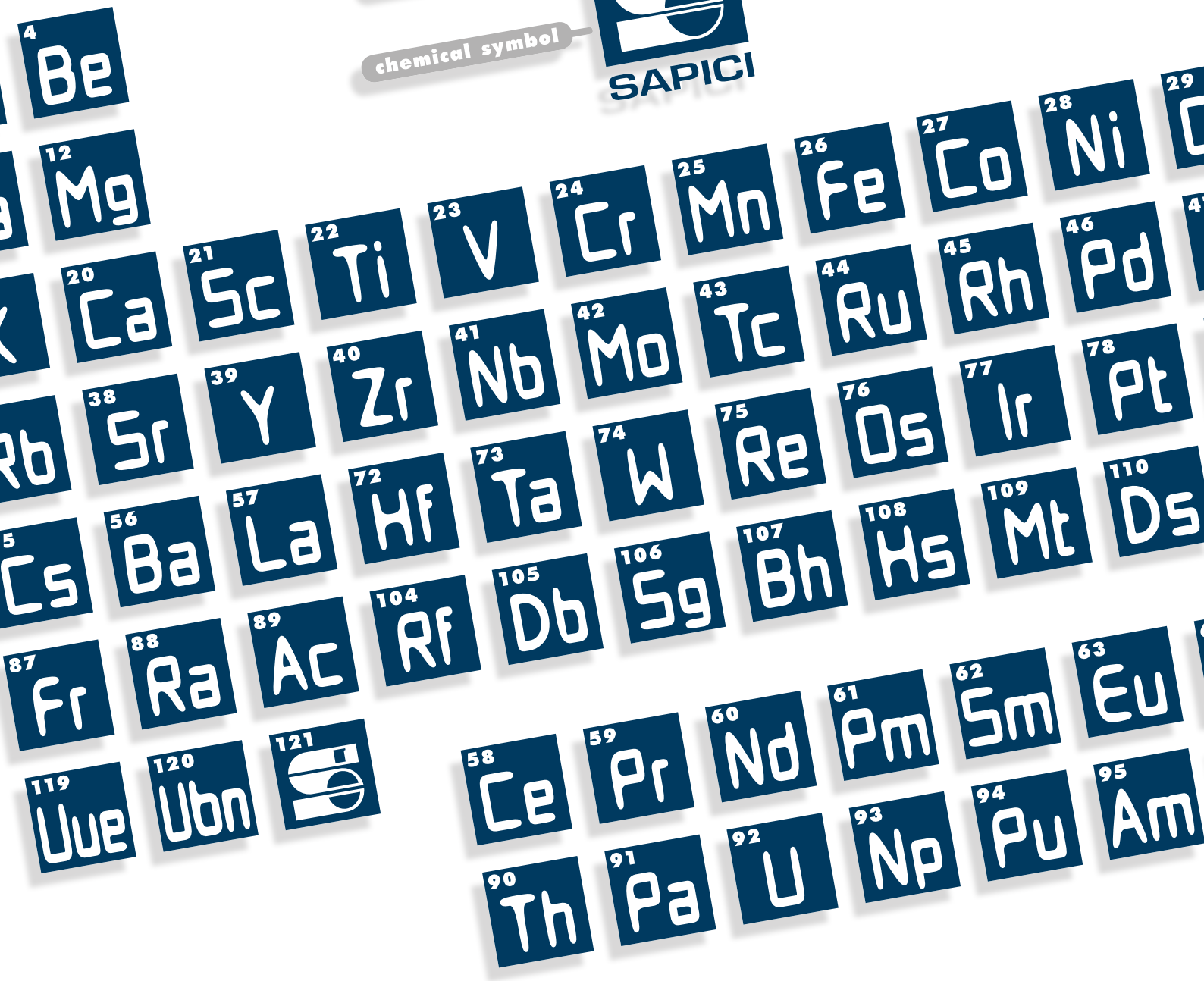
To celebrate the 150 years anniversary
of the invention of the periodic table

atomic number 121

chemical symbol



SAPIGI



▶▶ PRODUCT RANGE 2019 ▶▶

high performance polymers technology

PRODUCT RANGE 2019



diluents & notes

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POLURGREEN

Low Monomer Content Polyisocyanates - 低游离单体含量聚异氰酸酯

Exempted from the restriction proposal on diisocyanates under REACH Regulation.

根据REACH法规豁免对二异氰酸酯的限制提议。

product 产品	% NV 固含	type 类型	solvent 溶剂	type of isocyanate 异氰酸酯类型	% free monomer 游离单体含量	% NCO 含量	Vx mPa*s @ 23°C 黏度	max gardner color 最高色泽	characteristics & main applications 特性及主要应用范围
POLURGREEN AD 01	75	adduct 加成物	EA	TDI	< 0.1	12.5 - 13.5	1200 - 3000	1	Polyurethane adduct for general purposes. Suitable for 2K varnishes and enamels. It imparts good flexibility, fullness, brightness and solvent resistance. 通用型聚氨酯加成物,适用于2K清漆和瓷漆,漆膜最终具有良好表面硬度,持久性,光泽和耐溶剂性。
POLURGREEN AD BA 01	67	adduct 加成物	BA	TDI	< 0.1	11.5 - 12.1	400 - 800	1	Polyurethane adduct for general purposes. Suitable for 2K varnishes and enamels. It imparts good flexibility, fullness, brightness and solvent resistance. 通用型聚氨酯加成物,适用于2K清漆和瓷漆,漆膜最终具有良好表面硬度,持久性,光泽和耐溶剂性。
POLURGREEN IR 01	50	isocyanurate 异氰酸酯	BA	TDI	< 0.1	7.7 - 8.1	700 - 1400	1	Fast drying hardener for 2K PU system with limited yellowing. Suitable for the formulation of sealers and matt topcoats it gives hardness to the final coating. 极快干低黄变性2K聚氨酯固化剂,适用于配制底漆和哑光面漆,提高最终涂层的硬度。
POLURGREEN 60T 01	60	adduct 加成物	BA	TDI	< 0.1	9.5 - 9.9	1200 - 2000	1	High versatile polyisocyanate used for the formulation of polyurethane sealers and topcoats. It gives the right balance between fast drying and long pot-life. 多功能聚异氰酸酯用于配制底漆和面漆,能在快干及长活化期之间保持良好平衡。
POLURGREEN OK 01	60	mixed isocyanurate 混合型 异氰酸酯	BA	TDI HDI	< 0.1 < 0.1	9.8 - 10.3	500 - 1100	1	Aromatic-aliphatic hardener with good yellowing resistance. Suitable for polishable varnishes and enamels give to the final coating excellent hardness and good elasticity. 芳香族和脂肪族复配固化剂,具良好耐黄变性,适用于抛光型清漆和瓷漆上,给与最终涂料优异的硬度和良好的弹性。
POLURGREEN FP 75 01	75	adduct 加成物	EA	TDI	< 0.1	12.5 - 13.5	1200 - 3000	1	Polyurethane adduct version in accordance with EU, BFR and FDA regulations for food packaging. 符合EU, BFR和FDA有关法规要求使用在食品包装上的聚氨酯加成物。

POLURGREEN

Ultra Low Monomer Content Aliphatic Polyisocyanates - 超低游离单体聚异氰酸酯

The free monomer content <0.1 reduces its hazard classification and complies with the European diisocyanates restriction proposal.

低於0.1游离单体含量能降低其危害类别及符合欧盟对二异氰酸酯限制的建议。

product 产品	% NV 固含	type 类型	solvent 溶剂	type of isocyanate 异氰酸酯类型	% free monomer 游离单体含量	% NCO 含量	Vx.mPa*s@23°C 黏度	max hazen color 最高色泽	characteristics & main applications 特性及主要应用范围
POLURGREEN MT 75 01*	75	aliphatic polyisocyanate 脂肪族聚异氰酸酯	X PMA	HDI	< 0.1	16.0 - 17.0	50 - 200	< 40	Low monomer version of Polurene MT 75, aliphatic polyisocyanate with high toughness. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. Polurene MT 75 的低游离单体版本, 具有高韧性的脂肪族聚异氰酸酯, 适用于配制不黄的双组分聚氨酯涂料和烤漆。
POLURGREEN MT 100 01*	100	HDI trimer 三聚体	-	HDI	< 0.1	21.5 - 22.5	1800 - 3300	< 40	Low monomer version of Polurene MT 100, aliphatic trimer with high toughness. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. Polurene MT 100 的低游离单体版本, 具有高韧性的脂肪族聚异氰酸酯三聚体, 适用于配制不黄变的双组分聚氨酯涂料和烤漆。
POLURGREEN MT 100 LV 01*	100	HDI trimer 三聚体	-	HDI	< 0.1	22.0 - 23.0	900 - 1500	< 40	Low monomer version of Polurene MT 100 LV, low viscosity version of the aliphatic trimer. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. Polurene MT 100 LV (脂肪族聚异氰酸酯三聚体的低黏度版本) 的低游离单体版本, 适用于配制不黄的双组分聚氨酯涂料和烤漆。
POLURGREEN MT 100 LLV 01*	100	HDI trimer 三聚体	-	HDI	< 0.1	22.0 - 24.0	550 - 850	< 60	Low monomer version of Polurene MT 100 LLV, ultra low viscosity version of the aliphatic trimer. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. Polurene MT 100 LLV (脂肪族聚异氰酸酯三聚体的极低黏度版本) 的低游离单体版本, 适用于配制不黄的双组分聚氨酯涂料和烤漆。
POLURGREEN MT 90 01*	90	HDI trimer 三聚体	BA N	HDI	< 0.1	19.1 - 20.5	400 - 700	< 40	Low monomer version of Polurene MT 90, aliphatic trimer with high toughness. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. Polurene MT 90 的低游离单体版本, 具有高韧性的脂肪族聚异氰酸酯三聚体, 适用于配制不黄变的双组分聚氨酯涂料和烤漆。

*Available for customization - 可定制

POLURGREEN PRP

Ultra Low Free Monomer Prepolymers - 超低游离单体预聚物

Exempted from the restriction proposal on diisocyanates under REACH Regulation.

根据REACH法规豁免对二异氰酸酯的限制提议。

product 产品	% NV 固含	type 类型	solvent 溶剂	type of isocyanate 异氰酸酯类型	% free monomer 游离单体含量	% NCO 含量	Vx mPa*s 黏度	characteristics & main applications 特性及主要应用范围
POLURGREEN PRP 350 01*	100	aromatic 芳香族	-	TDI	< 0.1	3.0 - 4.0	750 - 950 @ 40°C	Linear prepolymer with high elongation and tensile strength. 线性预聚物,具高伸长率和拉伸强度。
POLURGREEN PRP 450 01*	100	aromatic 芳香族	-	TDI	< 0.1	4.0 - 5.0	840 - 1050 @ 40°C	Linear prepolymer with high elongation and tensile strength. 线性预聚物,具高伸长率和拉伸强度。
POLURGREEN PRP 750 01*	100	aromatic 芳香族	-	TDI	< 0.1	7.0 - 8.0	6000 - 12000 @ 40°C	Linear prepolymer with high elongation and tensile strength. 线性预聚物,具高伸长率和拉伸强度。
POLURGREEN PRP 940 01	100	aromatic 芳香族	-	TDI	< 0.1	8.9 - 9.7	4000 - 10000 @ 40°C	High NCO, low viscosity linear prepolymer for adhesives, elastomer and sealants formulation. 高NCO含量和低黏度的线性预聚物,适用于配制胶粘剂,弹性体和密封胶。
POLURGREEN PRP F 930 01	100	aromatic 芳香族	-	TDI	< 0.1	8.8 - 9.7	10000 - 20000 @ 50°C	High NCO prepolymer for foams formulation. 高NCO含量的预聚物,适用于发泡配方。
POLURGREEN PRP 6050 01	100	aromatic 芳香族	-	MDI	< 0.1	4.0 - 6.0	4500 - 10500 @ 40°C	Linear NCO terminated prepolymer for adhesives and sealants formulation. 线性NCO封端的预聚物,适用于配制胶粘剂,弹性体和密封胶。
POLURGREEN PRP 4041 01*	100	aliphatic 脂肪族	-	HDI	< 0.1	9.0 - 10.0	1500 - 3500 @ 40°C	Aliphatic prepolymer for applications where maximum yellowing resistance is needed. 脂肪族预聚物,在需要最高耐黄变性时使用。
POLURGREEN PRP 5500 01	100	aromatic 芳香族	-	TDI	< 0.1	2.0 - 3.0	3500 - 8500 @ 23°C	Branched NCO terminated prepolymer for sealants formulation. 支链性NCO封端的预聚物,适用于配制密封胶。

* Available also with standard monomer content < 0.5 - 常规游离单体含量的也适用低於0.5

POLURENE

Aromatic Adducts - 芳香族加成物

Polyurethane adducts with low free TDI content, for general purposes:
long pot life, high body filling, high gloss and high flexibility.
High compatibility with nitrocellulose, CAB, saturated polyesters, OH acrylic polyols and vinyl resins.

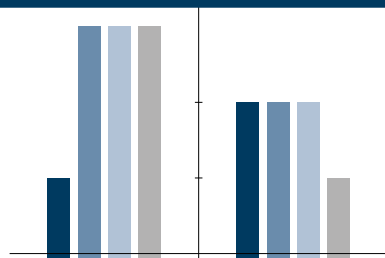
低游离TDI的通用型加成物类固化剂,具有活化期长,高填充性,高光泽和高柔韧性等特性,
且与硝化棉,CAB,饱和聚酯,羟基丙烯酸多元醇和乙烯基树脂均具有很好的相容性。

product 产品	% NV 固含	type 类型	solvent 溶剂	type of isocyanate 异氰酸酯类型	% free monomer 游离单体含量	% NCO 含量	Vx mPa*s @ 23°C 黏度	max gardner color 最高色泽
POLURENE AD	75	adduct 加成物	EA	TDI	< 0.5	12.5 - 13.5	1200 - 3000	1
POLURENE FP 75	75	adduct 加成物	EA	TDI	< 0.5	12.5 - 13.5	1200 - 3000	1
POLURENE AD 67	67	adduct 加成物	X PMA	TDI	< 0.5	10.8 - 11.8	1200 - 3000	2
POLURENE AD 67 BA LV	67	adduct 加成物	BA	TDI	< 0.5	11.5 - 12.3	400 - 800	1
POLURENE 60T	60	adduct 加成物	BA	TDI	< 0.5	9.5 - 9.9	1200 - 2000	1

■ reactivity 反应性
 ■ pot-life 使用期
 ■ flexibility 挠性
 ■ yellowing 黄变性

POLURENE
AD

POLURENE
60T



POLURENE

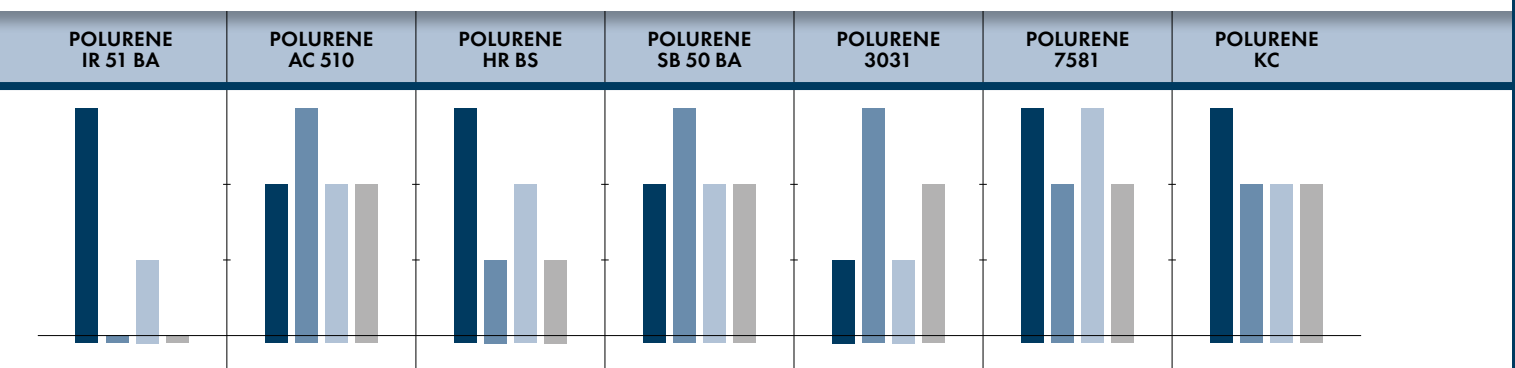
Aromatic Isocyanurates - 芳香族异氰酸酯

Aromatic isocyanurates with low free TDI content: fast curing, high hardness, limited yellowing. Suitable for the formulation of high quality sealers and topcoats.

低游离TDI芳香族异氰酸酯具有:快干,高硬度,有限的黄变性。适用于高质量封闭底漆和面漆的配制。

product 产品	% NV 固含	type 类型	solvent 溶剂	type of isocyanate 异氰酸酯类型	% free monomer 游离单体含量	% NCO 含量	Vx mPa*s@23°C 黏度	max gardner color 最高色泽
POLURENE IR 51 BA	50	isocyanurate 异氰酸酯	BA	TDI	< 0.5	7.8 - 8.2	700 - 1200	1
POLURENE IR 51 EA	50	isocyanurate 异氰酸酯	EA	TDI	< 0.3	7.8 - 8.2	100 - 400	1
POLURENE AC 510	50	isocyanurate 异氰酸酯	BA	TDI	< 1.0	7.0 - 7.4	50 - 300	1
POLURENE HRBS	50	isocyanurate 异氰酸酯	BA	TDI	< 0.5	7.0 - 7.4	400 - 800	1
POLURENE SB 50 BA	50	isocyanurate 异氰酸酯	BA	TDI	< 0.5	8.0 - 8.4	200 - 600	1
POLURENE 3031	50	isocyanurate 异氰酸酯	BA	TDI	< 0.5	8.5 - 9.0	250 - 650	1
POLURENE 7581	50	isocyanurate 异氰酸酯	BA	TDI	< 0.5	7.7 - 8.3	200 - 500	1
POLURENE IR 70 BA	70	isocyanurate 异氰酸酯	BA	TDI	< 0.5	12.5 - 13.5	800 - 2000	1
POLURENE IR 65 EA	65	isocyanurate 异氰酸酯	EA	TDI	< 0.5	11.1 - 11.15	250 - 450	1
POLURENE KC	50	mixed isocyanurate 混合型异氰酸酯	BA	TDI MDI	< 0.5	7.8 - 8.0	200 - 400	1

■ reactivity 反应性
 ■ pot-life 使用期
 ■ fullness 丰满度
 ■ NC compatibility 硝化棉兼容性



POLURENE

Aromatic Polyisocyanates MDI - 芳香聚异氰酸酯 MDI

product 产品	% NV 固含	type 类型	solvent 溶剂	type of isocyanate 异氰酸酯类型	% NCO 含量	Vx mPa*s @ 23°C 黏度	max gardner color 最高色泽	characteristics & main applications 特性及主要应用范围
POLURENE MD 50 EA	50	prepolymer 预聚物	EA	MDI	6.8 - 7.4	< 50	1	<p>Polyisocyanate with high penetration on porous substrate, it blocks the substances from the substrate and uniformize the adsorption for the overcoating. It improves adhesion on difficult substrate.</p> <p>聚异氰酸酯在多孔基材上具有较强的穿透性, 可以阻挡基材中的化学物质(如: 单宁酸), 使吸附体均匀化。它提高了对复杂的基材的附着力。</p>
POLURENE MD 60 BA	60	prepolymer 预聚物	BA	MDI	5.0 - 6.0	200 - 650	1	<p>Polyisocyanate with high penetration on porous substrate, it blocks the substances from the substrate and uniformize the adsorption for the overcoating. It improves adhesion on difficult substrate.</p> <p>聚异氰酸酯在多孔基材上具有较强的穿透性, 可以阻挡基材中的化学物质(如: 单宁酸), 使吸附体均匀化。它提高了对复杂的基材的附着力。</p>
POLURENE MD 1500	100	polyisocyanate 聚异氰酸酯	-	MDI	31.7 - 33.3	< 50	18	<p>Polymeric MDI with excellent flexibility. Recommended for solvent free 2K PU coatings like self-levelings, synthetic mortars and adhesives. Fast drying and more flexible than POLURENE MD 1600.</p> <p>具优异柔韧性的聚合MDI, 快干, 推荐用于无溶剂2K聚氨酯涂料如自流平, 密封胶和合成砂浆, 并且比POLURENE MD 1600更灵活。</p>
POLURENE MD 1600	100	polyisocyanate 聚异氰酸酯	-	MDI	31.0 - 32.0	< 100	18	<p>Polymeric MDI with excellent flexibility. Recommended for solvent free 2K PU coatings like self-levelings, synthetic mortars and adhesives.</p> <p>具优异柔韧性的聚合MDI, 快干, 推荐用于无溶剂2K聚氨酯涂料如自流平, 密封胶和合成砂浆。</p>

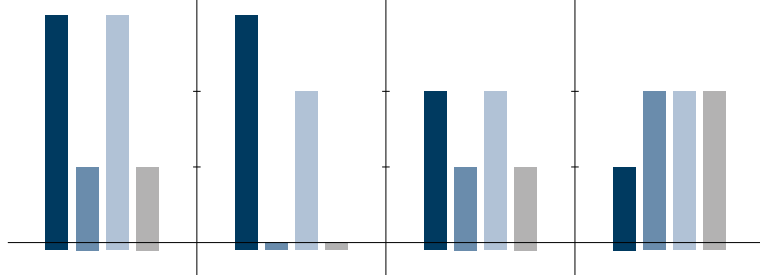
POLURENE

Aliphatic Aromatic Isocyanurates - 脂肪族和芳香族混合异氰酸酯

product 产品	% NV 固含	type 类型	solvent 溶剂	type of isocyanate 异氰酸酯类型	% free monomer 游离单体含量	% NCO 含量	Vx mPa·s @ 23°C 黏度	max gardner color 最高色泽
POLURENE 2391	70	mixed isocyanurate 混合型异氰酸酯	BA	TDI IPDI	< 0.5	11.7 - 12.0	800 - 1400	2
POLURENE OKD	60	mixed isocyanurate 混合型异氰酸酯	BA	TDI HDI	< 0.5	10.0 - 10.4	500 - 1100	1
POLURENE OKD EA	60	mixed isocyanurate 混合型异氰酸酯	EA	TDI HDI	< 0.5	10.0 - 10.4	100 - 400	1
POLURENE OKDS	60	mixed isocyanurate 混合型异氰酸酯	BA	TDI HDI	< 0.5	10.0 - 11.0	1100 - 3300	1
POLURENE OK HP	60	mixed isocyanurate 混合型异氰酸酯	BA	TDI HDI	< 0.5	9.3 - 10.3	200 - 500	1

■ reactivity 反应性
 ■ pot-life 使用期
 ■ fullness 丰满度
 ■ acrylic compatibility 丙烯酸兼容性

POLURENE 2391
POLURENE OKD
POLURENE OKDS
POLURENE OK HD



POLURENE



Aliphatic Polyisocyanates - 脂肪族聚异氰酸酯

product 产品	% NV 固含	type 类型	solvent 溶剂	type of isocyanate 异氰酸酯类型	% free monomer 游离单体含量	% NCO 含量	Vx mPa*s @ 23°C 黏度	max hazen color 最高色泽	characteristics & main applications 特性及主要应用范围
POLURENE T 70	70	aliphatic polyisocyanate 脂肪族聚异氰酸酯	BA	IPDI	< 0.5	11.8 - 12.2	800 - 1600	<80	Polyisocyanate trimer with high lightfastness and outdoor resistance. Suitable for the formulation of high demanding 2K PU coatings exhibits a good film formation. 聚异氰酸酯三聚体具有高耐光性, 耐候性, 适用于配制高要求的2K PU涂料, 并具有良好的成膜性。
POLURENE T 70 EA	70	aliphatic polyisocyanate 脂肪族聚异氰酸酯	EA	IPDI	< 0.5	11.0 - 13.0	200 - 600	<80	Polyisocyanate trimer with high lightfastness and outdoor resistance. Suitable for the formulation of high demanding 2K PU coatings exhibits a good film formation. 聚异氰酸酯三聚体具有高耐光性, 耐候性, 适用于配制高要求的2K PU涂料, 并具有良好的成膜性。
POLURENE M 75	75	aliphatic polyisocyanate 脂肪族聚异氰酸酯	X PMA	HDI	< 0.38	16.0 - 17.0	150 - 310	<40	Aliphatic biuret with high flexibility. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 高柔韧性的脂肪族缩二脲, 适用于配制不黄变的2K PU涂料和烤漆。
POLURENE M 75 BA	75	aliphatic polyisocyanate 脂肪族聚异氰酸酯	BA	HDI	< 0.38	16.0 - 17.0	150 - 300	<40	Aliphatic biuret with high flexibility. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 高柔韧性的脂肪族缩二脲, 适用于配制不黄变的2K PU涂料和烤漆。
POLURENE M 75 PMA	75	aliphatic polyisocyanate 脂肪族聚异氰酸酯	PMA	HDI	< 0.38	16.2 - 16.8	175 - 325	<40	Aliphatic biuret with high flexibility. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 高柔韧性的脂肪族缩二脲, 适用于配制不黄变的2K PU涂料和烤漆。
POLURENE MT 75*	75	aliphatic polyisocyanate 脂肪族聚异氰酸酯	X PMA	HDI	< 0.15	16.0 - 17.0	50 - 200	<40	Aliphatic polyisocyanate with high toughness. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 脂肪族聚异氰酸酯具有高韧性, 适用于配制不黄变2K PU涂料和烤漆。
POLURENE MT 100*	100	HDI trimer 三聚体	-	HDI	< 0.15	21.5 - 22.5	2000 - 3000	<30	Aliphatic trimer with high toughness. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 高韧性的脂肪族三聚体, 适用于配制不黄变的2K PU涂料和烤漆。
POLURENE MT 100 LV*	100	HDI trimer 三聚体	-	HDI	< 0.15	22.0 - 24.0	900 - 1500	<40	Low viscosity version of the aliphatic trimer. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 低黏度的脂肪族三聚体, 适用于配制不黄变的2K PU涂料和烤漆。
POLURENE MT 100 LLV*	100	HDI trimer 三聚体	-	HDI	< 0.15	22.0 - 24.0	550 - 850	<60	Ultra Low viscosity version of the aliphatic trimer. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 超低黏度的脂肪族三聚体, 适用于配制不黄变的2K PU涂料和烤漆。
POLURENE MT 90*	90	HDI trimer 三聚体	BA N	HDI	< 0.15	19.1 - 20.5	400 - 700	<40	Aliphatic trimer with high toughness. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 高韧性的脂肪族三聚体, 适用于配制不黄变的2K PU涂料和烤漆。
POLURENE MT 90 BA*	90	HDI trimer 三聚体	BA	HDI	< 0.15	19.1 - 20.5	300 - 700	<40	Aliphatic trimer with high toughness. Suitable for the formulation of no yellowing 2K PU coating and stoving enamel. 高韧性的脂肪族三聚体, 适用于配制不黄变的2K PU涂料和烤漆。

*Available for customization - 可定制

POLURENE BK

Blocked Polyisocyanates - 封闭型聚异氰酸酯

Solvent-borne blocked polyisocyanates
for 1K PU stoving systems with high-performance properties.

应用在1K聚氨酯烤漆体系高性能溶剂型封闭型聚异氰酸酯

product 产品	% NV 固含	solvent 溶剂	type of isocyanate 异氰酸酯类型	% free monomer 游离单体含量	% blocked NCO 含量卡	Vx mPa*s @ 23°C 黏度	max gardner color 最高色泽	characteristics & main applications 特性及主要应用范围
POLURENE BK 5150 EA	50	EA	TDI	< 0.1	6.0 - 6.5	<100	2	TDI based polymer containing blocked and curable isocyanic groups. Recommended for nonwoven, PVC and fabric laminations. 基于TDI的聚合物,含有封闭和可固化异氰酸基团。 推荐用于无纺布,PVC,纺织品压层上。
POLURENE BK 1175	75	N	HDI	< 0.2	10.6 - 11.6	2500 - 5000	1	Blocked isocyanate suitable for the formulation of non yellowing 1K stoving enamels; it flexibilize and to increase the adhesion. 封闭型异氰酸酯,适用于配制不黄变1K烤漆; 也可用于传统烤漆以提高柔韧性及附着力。
POLURENE BK 1177	77	N	HDI	< 0.2	10.9 - 11.9	4000 - 10000	1	Low hazardousness blocked polyisocyanate suitable for the formulation of non yellowing 1K stoving enamels; it flexibilize and increase the adhesion. 低毒性封闭型聚异氰酸酯,适用于配制不黄变1K烤漆; 也可用于传统烤漆以提高柔韧性及附着力。

REXIN

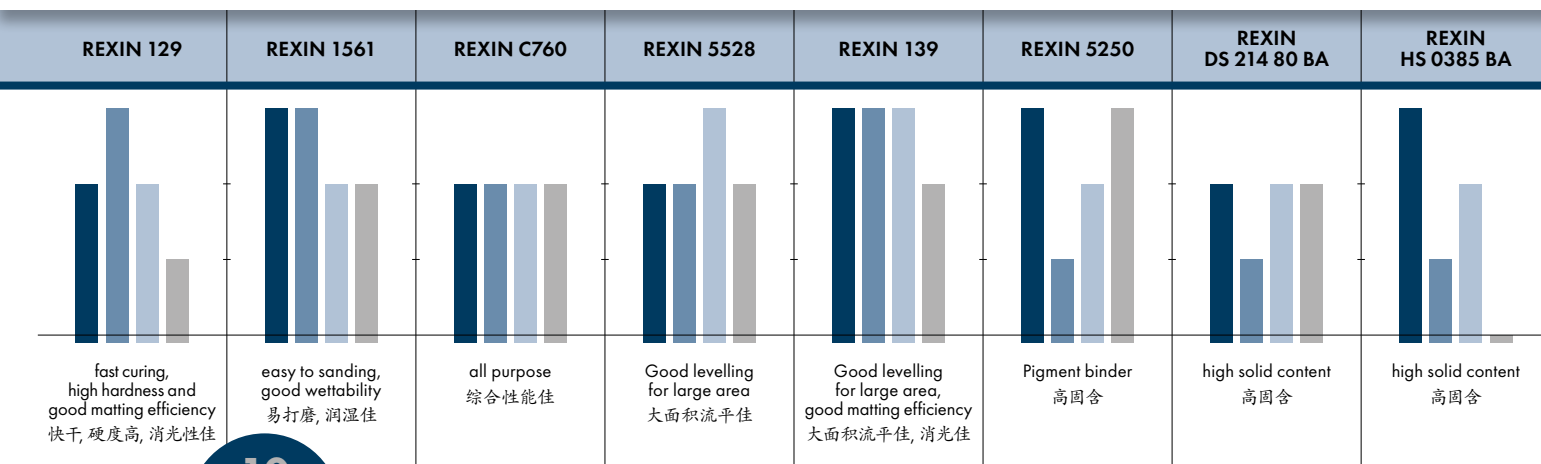
Vegetable Fatty Acids Alkyd Resins - 植物油脂肪酸醇酸树脂

Short oil alkyd resins based on vegetable fatty acids: fast drying, excellent solvent release. In combination with flexible resins they can improve the sandability of the sealers. Used alone can improve the surface hardness and the levelling of matt top coats.

以植物脂肪酸为基础的短油醇酸树脂:具快干和优异的溶剂释放性。与柔韧树脂搭配,它能改善底漆的打磨性;单独使用,它也能改善哑光面漆的表面硬度和流平性。

product 产品	% NV 固含	solvent 溶剂	% oil 油量	Vx mPa*s @ 23°C 黏度	N.A.max 最大酸值	N° OH 羟值	% OH 羟基含量	max gardner color 最高色泽
REXIN 129	60	X	32	11000 - 22000	16	60	1.82	3
REXIN 129 70 BA	70	BA	32	3000 - 7000	18	90	2.70	3
REXIN 129 70 X	70	X	33	45000 - 65000	18	70	2.12	3
REXIN 1561	60	X	39	4500 - 8500	9	80	2.42	3
REXIN C760	60	X	35	4000 - 8000	7	80	2.42	3
REXIN 5528	70	X	35	45000 - 65000	15	80	2.42	3
REXIN 139	70	X	35	20000 - 38000	11	85	2.58	3
REXIN 5250	70	X	31	10000 - 20000	13	80	2.42	2
REXIN DS 214 80 BA	80	BA	31	500 - 1000	10	110	3.33	5
REXIN HS 0385 BA	85	BA	33	1000 - 2000	15	150	4.54	3

■ sandability 打磨性
 ■ matting efficiency 消光效率
 ■ fullness 丰满度
 ■ flexibility 柔韧性



REXIN

Castor Oil Alkyd Resins - 蓖麻油醇酸树脂

Short oil alkyd resins based on castor oil: good elasticity, low viscosity, good solvent release and fast drying. High wetting properties. For clear and pigmented PU coating.

以蓖麻油为基础的短油醇酸树脂:弹性良好,黏度低,溶剂释放性良好和快干,高润湿性,适用作为清漆和色漆的PU涂料。

product 产品	% NV 固含	solvent 溶剂	% oil 油量	Vx mPa*s @ 23°C 黏度	N.A.max 最大酸值	N° OH 羟值	% OH 羟基含量	max gardner color 最高色泽
REXIN 1234	60	X	43	1500 - 3500	15	90	2.72	3
REXIN 160	60	X	57	1500 - 2500	9	85	2.58	3
REXIN LS 124	70	X	60	800 - 1600	10	100	3.03	3
REXIN 1543 75 BA	75	BA	52	4000 - 8000	12	130	3.90	3
REXIN 2039	50	X MEK	31	7000 - 13000	20	80	2.42	3
REXIN 141	60	X	40	3000 - 5000	14	90	2.72	3

■ sandability
打磨性

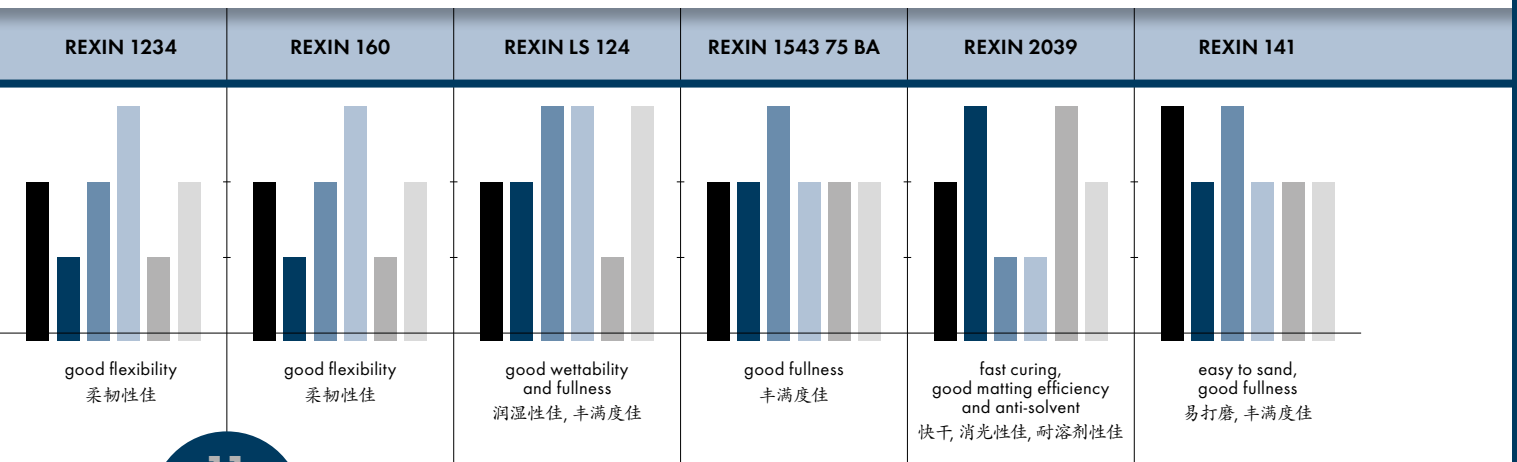
■ matting efficiency
消光效率

■ fullness
丰满度

■ flexibility
柔韧性

■ anti-solvent
耐溶剂性

■ wettability
润湿性



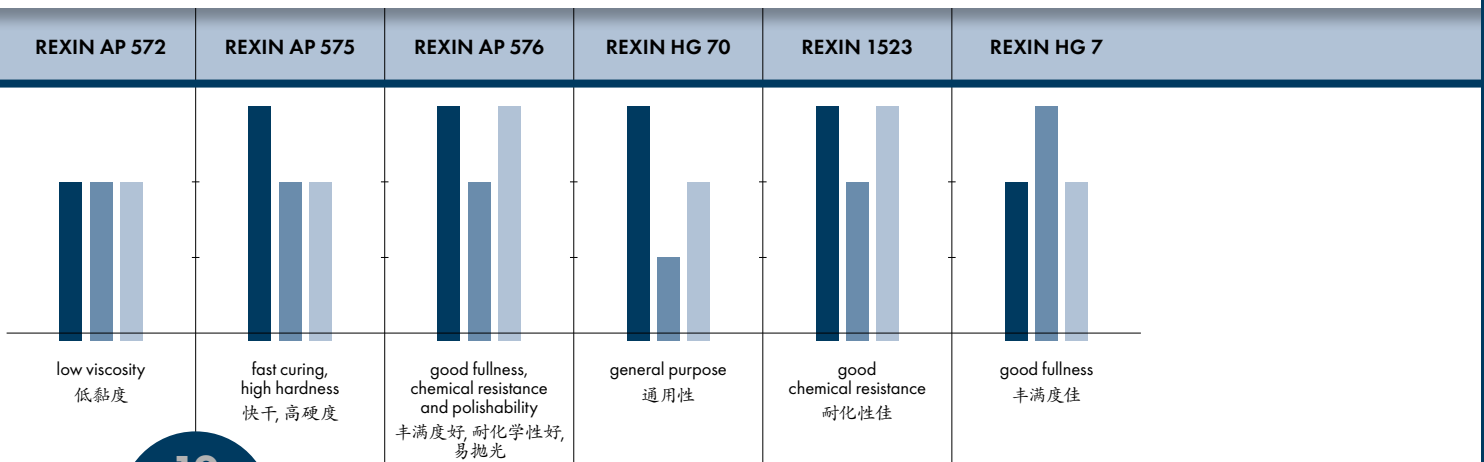
Saturated Fatty Acids Alkyd Resins - 饱和脂肪酸醇酸树脂

Short oil alkyd resins based on saturated fatty acids: excellent gloss, excellent hardness and yellowing resistance. For clear and pigmented PU coatings. Stoving enamels with high flexibility, hardness and high solid content.

以饱和脂肪酸为基础的短油醇酸树脂:光泽出色,硬度出众及耐黄变性优异,适用作为清漆和色漆的PU涂料。在烤漆使用上具有高度的柔韧性和硬度;也可用在高固含涂料。

product 产品	% NV 固含	solvent 溶剂	% oil 油量	Vx mPa*s @ 23°C 黏度	N.A.max 最大酸值	N° OH 羟值	% OH 羟基含量	max gardner color 最高色泽
REXIN AP 572	80	X	27	7000 - 12000	12	118	3.56	1
REXIN AP 575	80	X	32	35000 - 45000	20	110	3.33	1
REXIN AP 576	80	X	27	30000 - 45000 @ 25°C	13	127	3.85	1
REXIN HG 70	70	X	27	1300 - 3000	12	90	2.73	3
REXIN 1523	70	BA	33	3000 - 6000	10	130	3.94	3
REXIN HG 7	80	X	34	40000 - 50000	12	120	3.63	1

polishability 抛光性 fullness 丰满度 chemical resistance 耐化性



REXIN

Special Alkyd Resins - 特种醇酸树脂

product 产品	% NV 固含	solvent 溶剂	% oil 油长	type of oil 油种	Vx.mPa.s@23°C 黏度	N.A. max 最大酸值	N° OH 羟值	% OH 羟基含量	max gardner color 最高色泽	characteristics & main applications 特性及主要应用范围
REXIN 2268	80	x	27	saturated fatty acids 饱和脂肪酸	3000 - 6000	15	110	3.33	2	<p>Special aliphatic resin with excellent yellowing resistance. It is suitable for clear and pigmented non yellowing high gloss top coats with excellent fullness, levelling and pigments wettability. Complete compatibility with acrylic resins.</p> <p>具优异耐黄变性的特殊脂肪族树脂, 适用于不黄变高光和着色面漆上, 展现优异的丰满度, 流平性和颜料润湿性, 与羟基丙烯酸树脂完全兼容。</p>
REXIN 2281 70 X	70	x	40	vegetable fatty acids 植物脂肪酸	800 - 1400	12	85	2.58	5	<p>Binder for universal pigmented paste. Compatible with short - medium - long oil alkyd resins, saturated polyesters, acrylic, epoxy, urea and melamine resins, chetonic and maleic resins. Not compatible with unsaturated polyester and waterborne resins.</p> <p>作为通用型色浆中的结合剂, 与各种油长的醇酸树脂, 饱和聚酯, 丙烯酸树脂, 环氧树脂, 脲素和三聚氰胺树脂, 酮类及马来树脂等兼容; 但与不饱和聚酯和水性树脂不兼容。</p>

REXIN DP

Saturated Polyesters - 饱和聚酯

product 产品	% NV 固含	solvent 溶剂	Vx mPa*s @ 23°C 黏度	N.A. max 最大酸值	N° OH 羟值	% OH 羟基含量	max gardner color 最高色泽	characteristics & main applications 特性及主要应用范围
REXIN HSP 05100	100	-	24000 - 36000	15	210	6.36	3	Excellent hardness. High chemical resistance. Excellent abrasion resistance. Excellent leveling. High gloss clear and pigmented 2K PU coatings. Product suitable for high solid formulations. 具出色的硬度,高耐化学性,优异的抗磨性和流平性。 适合配制高光泽清漆和色漆的2K PU涂料,同时也适合在高固含配方。
REXIN HSP 411	100	-	20000 - 40000	4	180	5.45	2	Slightly branched solventless polyester resin. Good chemical resistance. Good hardness and excellent flexibility. It is recommended for 2K PU parquet coatings. 微支化无溶剂聚酯树脂。 具有耐化学性,高硬度且高柔韧性。推荐用于2K PU地板漆。
REXIN HSP 412	100	-	3500 - 6500	4	185	5.60	2	Slightly branched solventless polyester resin. High chemical resistance. Excellent elasticity. For coatings and enamels for metal, wood, plastic and rubber. 微支化无溶剂聚酯树脂。具有高耐化学性,卓越的弹性。 适用于金属,木器,塑胶以及橡胶上的涂料及烤漆。
REXIN HSP 430	100	-	7000 - 11000 @ 25°C	4	50	1.51	1	Solventless polyester resin. Excellent elasticity. Suitable for coatings and enamels for paper, leather, plastic and rubber. It is used for the formulation of coatings with soft touch effect. 无溶剂聚酯树脂,弹性出色。 适合在纸张,皮革,塑胶及橡胶上用作涂料和烤漆,也可用于具弹性漆效果的配方上。
REXIN HSP 50	100	-	500 - 1300	2	160	4.84	4	Saturated polyester resin with high wettability and flexibility. Suitable for high filled two-pack coatings and adhesives formulations. 高润湿性和柔韧性的饱和聚酯树脂,适用于高填充性双组分涂料或胶粘剂配方。
REXIN DP 127	70	BA	1800 - 3500	15	125	3.79	3	Excellent hardness. Good abrasion resistance. Excellent yellowing resistance. Excellent wetting properties. High gloss and fast drying clear and pigmented 2K PU coatings. It is recommended for pigmented paste. 具出色的硬度,优异的抗磨性,耐黄变性和润湿性。 适合配制高光 and 快干清漆和色漆的2K PU涂料,也推荐用在配制色浆。
REXIN DP 328	60	BA	3000 - 5000	13	110	3.33	3	Good hardness and flexibility. Good abrasion resistance. Good filling and solvent release. Good compatibility with Nitrocellulose. It can be used in combination with urea and melamine resins. Clear and pigmented 2K PU coatings. 具高硬度和柔韧性,高耐磨性,良好的填充性和溶剂释放性,与硝化棉有良好的兼容性,也可以与脲素和三聚氰胺树脂搭配使用,用作2K PU清漆和色漆。
REXIN DP 390	60	X	2000 - 3500	10	85	2.58	3	Good flexibility and hardness. Fast drying. Long Pot-life. Good overspraying resistance. Suitable for clear and pigmented matt and high gloss 2K PU sealer and top coats. 良好的柔韧性及硬度,活化期长,防止过喷,适用于清色哑光漆,以及2KPU 高光封闭底漆及面漆。
REXIN DP 390 70 BA	70	BA	2600 - 3600	12	100	3.03	3	Good flexibility and hardness. Fast drying. Long Pot-life. Good overspraying resistance. Suitable for clear and pigmented matt and high gloss 2K PU sealer and top coats. 良好的柔韧性及硬度,活化期长,防止过喷,适用于清色哑光漆,以及2KPU 高光封闭底漆及面漆。
REXIN DP 408 80 BA	80	BA	1000 - 1800	5	240	7.28	3	Highly branched polyester resin. High chemical resistance. Excellent hardness and abrasion resistance. It is recommended for 2K PU parquet coatings and enamels for metal. 高支链化聚酯树脂,高耐化学性,出色的硬度和抗磨性。 推荐用于2K PU地板漆或金属烤漆。
REXIN DP 315	75	X	17000 - 25000	15	125	3.79	3	Saturated polyester resin for pigmented and high gloss topcoat. Fast drying, good levelling, excellent hardness and fullness, especially designed for black finish. 用于着色高光面漆上的饱和聚酯树脂。 快干,流平性好,具出色的硬和丰满度,专为配制高光黑漆。
REXIN DP 500	70	N	4000 - 9000	6	55	1.72	1	Saturated polyester resin that exhibits good balance between hardness and flexibility. Can be used in combination with melaminic resins to improve flexibility, adhesion and chip resistance in stoving enamels. Recommended for industrial coatings, baking enamel, and general purpose metal applications with high gloss retention and high scratch resistance. 饱和聚酯树脂具有良好的硬度跟柔韧性的平衡。 与三聚氰胺树脂在烤漆上配合使用时可改善柔韧性,附着力及耐冲击性。 推荐用于需要高光泽保留性和高耐刮性的工业涂料,烤漆及一般金属漆的应用上。

BLUEPUR

Polyurethane Waterborne Dispersions - 水性聚氨酯分散体

product 产品	% NV 固含	type of isocyanate 异氰酸酯类型	solvent 溶剂	Vx mPa·s @ 23°C 黏度	pH 酸碱值	characteristics & main applications 特性及主要应用范围
BLUEPUR 2937	35.5	aliphatic 脂肪族	coalescent free 不含成膜助剂	250 max	7.0 - 9.0	Resin for application in 1K and 2K waterborne system. This resin have a self crosslinking beavhiour that confer high hardness.Very fast drying. It can be used to formulate transparent and pigmented coating. 用於1K或2K水性系统的树脂,此树脂有自交联的属性,因此带来高硬度,极快干,可用于配制清漆和色漆涂料。
BLUEPUR 3037	38	aliphatic 脂肪族	coalescent free 不含成膜助剂	500 max	7.0 - 8.0	Resin for application in 1K and 2K waterborne system. This resin have a self crosslinking beavhiour that confer high hardness. The high flexibility of the resin let it suitable for the formulation of coating for metal and plastic. 用於1K或2K水性系统的树脂,此树脂有自交联的属性,因此带来高硬度,其高柔韧性使它适用在金属和塑胶涂料上。
BLUEPUR 3070	40	aliphatic 脂肪族	coalescent free 不含成膜助剂	200 max	7.0 - 9.0	Tough and flexible. Good abrasion resistance. Good adhesion on plastic and metal beside wood and porous substrate. High lightfast resistance. Main application plastic and wood coating. 柔韧性佳,耐磨性佳。 在除塑胶,金属以外还在木器和多孔材料上具有良好的附着力,耐光性。 主要应用于塑胶和木器上。
BLUEPUR 3080	40	aliphatic 脂肪族	coalescent free 不含成膜助剂	500 max	7.0 - 8.0	Resin for application in 1K and 2K waterborne system. It's special structure let the possibility to use this resin for coalescing aid with PUD and acrylic emulsion. The high elasticity let it suitable for the formulation of coating for metal and plastic. 用於1K或2K水性系统的树脂,由於其特别结构使它可以在PUD和丙烯酸乳液有着成膜助剂的功用,其高柔韧性使它适用在金属和塑胶涂料上。

BLUEPUR T

Polyurethane Waterborne High Elasticity Dispersions - 水性高弹性聚氨酯分散体

product 产品	% NV 固含	type of isocyanate 异氰酸酯类型	solvent 溶剂	tensile strength MPa	% elongation at break	100% elongation modulus MPa	Vx mPa·s @ 23°C 黏度	pH 酸碱值	characteristics & main applications 特性及主要应用范围
BLUEPUR T 52	50	aliphatic 脂肪族	coalescent free 不含成膜 助剂	35	750	2.5	< 200	7.0 - 9.0	PUD with good soft-handle. It exhibits excellent hydrolysis and alkali resistance. It shows good mechanical properties, high tensile strength, high elongation at break and good modulus. 有着良好柔软手感的水性聚氨酯分散体,它具有优异的耐水解和耐碱性,同时展示良好机械性能兼高拉伸强度和断裂伸长率,以及低模数。
BLUEPUR T 53	43	aliphatic 脂肪族	coalescent free 不含成膜 助剂	30	600	3.5	< 500	7.0 - 9.0	Good adhesion on different substrate. It exhibits good rub resistance at low temperature. It shows good mechanical properties, high tensile strength, high elongation at break and good modulus. 在多种物料上有良好附着力,它具有良好低温耐磨性,同时展示良好机械性能兼高拉伸强度和断裂伸长率,以及良好的模数。
BLUEPUR T 71	50	aliphatic 脂肪族	coalescent free 不含成膜 助剂	25	700	1.7	< 3000	6.5 - 8.5	PUD with good high gloss film forming properties and full handle. It exhibits excellent hydrolysis and alkali resistance. It shows good mechanical properties, high tensile strength, high elongation at break and good modulus. It can be crosslinked with HYDRORENE, hydro dispersible isocyanate, and also with melamminic resin. If not crosslinked, can be welded. 有着良好高光泽成膜性能和完全的手感的水性聚氨酯分散体,它具有优异的耐水解和耐碱性,同时展示良好机械性能兼高拉伸强度和断裂伸长率,以及低模数。 它也可与 HYDRORENE 水性聚异氰酸酯分散体和三聚氰胺树脂交联,若不交联,可以焊接。

BLUECRYL

Acrylic Waterborne Resins - 水性丙烯酸树脂

Self Crosslinking Emulsions - 自交联乳液

product 产品	% NV 固含	pH 酸碱值	MFFT °C	Vx mPa*s @ 23°C 黏度	characteristics & main applications 特性及主要应用范围
BLUECRYL 012	40	7.0 - 9.0	32	10 - 200	Good scratch. Good yellowing resistance. Good water and chemical resistance. Good anti-blocking effect. Good sandability. Main application: decorative. 良好的抗刮伤,耐黄变性能和耐磨性.具有良好的防水,防腐和抗黏连性.主要用于装饰用品.
BLUECRYL 090	40	7.0 - 9.0	42	10 - 200	Clarity and transparency. Fast drying. Fast blocking resistance coatings. Good chemical resistance and flexibility. Main application: general industry. 清晰度,透明度高.具有快干,耐结块,良好的抗化学性和柔韧性.主要用于一般工业漆.
BLUECRYL 092	40	7.0 - 9.0	44	10 - 200	Fast blocking resistance. Excellent elasticity & flexibility. Excellent chemical resistance. High scratch resistance. Main application: furniture. 耐结块,具有良好的柔韧性和抗化学性能,优越的抗刮伤性.主要用于家具涂料.
BLUECRYL 098	42	7.0 - 9.0	5	10 - 200	Fast drying. Fast blocking resistance. Excellent elasticity & flexibility. Yellowing resistance. Good early water resistance. Low water absorption. Excellent chemical resistance. Main application: joinery. 具有快干,耐结块,良好的柔韧性,耐黄变性.早期抗水性好,吸水率低,抗化学性能.主要用于细木工制品.

OH Acrylic Dispersions - OH丙烯酸分散体

product 产品	% NV 固含	pH 酸碱值	MFFT °C	% OH 羟基含量	Vx mPa*s @ 23°C 黏度	characteristics & main applications 特性及主要应用范围
BLUECRYL 213	47	3.5 - 5.5	40 - 42	1.3	< 1000	Good adhesion on different substrate. Good mechanical properties. Good resistance to solvent and water, once crosslinked. High lightfast resistance. Main application: Industrial flooring and general industry. 在不同的基底中具有良好的附着力,抗机械性.良好的耐溶剂和防水性,耐黄变性高.主要用于工业地坪漆和一般的工业漆中.
BLUECRYL 233	46	7.0 - 9.0	-	3.3	< 2000	Good wetting property, is suitable for the formulation of pigmented system. Tough and flexible surface. Good resistance to water and solvent. Main application: industrial flooring and general industry. 良好的润湿性,适用于色素体系配方.表面手感好,良好的防水和耐溶剂性能.主要用于地坪漆和一般工业漆.
BLUECRYL 242	46	7.0 - 9.0	-	4.2	< 3000	Good wetting property, is suitable for the formulation of pigmented system. Tough and flexible surface. Good resistance to water and solvent. Can be formulated in 1K stoving enamel with melamine resin or in combination with blocked isocyanate. Main application: industrial flooring and general industry. 良好的润湿性,适用于色素体系配方.表面手感好,良好的防水和耐溶剂性能.能和三聚氰胺树脂用于1K烤漆中,或和封闭型异氰酸酯联用.主要用于地坪漆和一般工业漆.

HYDRORENE

Hydrodispersible Polyisocyanates - 水分散性聚异氰酸酯

product 产品	% NV 固含	type of isocyanate 异氰酸酯类型	solvent 溶剂	% NCO 含量	Vx mPa*s @ 23°C 黏度	characteristics & main applications 特性及主要应用范围
HYDRORENE AW 1	100	aliphatic 脂肪族	free 不含	16.0 - 18.0	2000 - 4000	High dispersibility isocyanate for the formulation of 2K waterborne varnishes with good chemical and abrasion resistance. 用於双组分水性清漆的高分散性异氰酸酯,具有良好的耐化学性和抗磨性。
HYDRORENE AW 4	100	aliphatic 脂肪族	free 不含	20.0 - 21.0	1000 - 3000	High dispersibility isocyanate for the formulation of 2K waterborne varnishes with good body filling and gloss. 用於双组分水性清漆的高分散性异氰酸酯,具有良好的填充性和光泽。
HYDRORENE AW 5	100	aliphatic 脂肪族	free 不含	15.5 - 16.5	5000 - 9000	2K waterborne varnishes with excellent chemical and abrasion resistance. Suitable for acrylic and PU waterborne systems. Recommended in high gloss topcoat. 使用在双组分水性清漆,具优秀耐化学性和抗磨性,也适用于丙烯酸和聚氨酯水性系统,推荐用于高光面漆。

HYDRORENE 01

Low Monomer Content Hydrodispersible Polyisocyanates

低单体含量的聚异氰酸酯水分散体

product 产品	% NV 固含	type of isocyanate 异氰酸酯类型	solvent 溶剂	% free monomer 游离单体含量	% NCO 含量	Vx mPa*s @ 23°C 黏度	characteristics & main applications 特性及主要应用范围
HYDRORENE AW 1 01	100	aliphatic 脂肪族	free 不含	< 0.1	16.0 - 18.0	2000 - 4000	Low free monomer version of HYDRORENE AW 1. 水性固化剂的低游离单体版本。
HYDRORENE AW 4 01	100	aliphatic 脂肪族	free 不含	< 0.1	20.0 - 21.0	1000 - 3000	Low free monomer version of HYDRORENE AW 4. 水性固化剂的低游离单体版本。
HYDRORENE AW 6 01	100	aliphatic 脂肪族	free 不含	< 0.1	22.0 - 24.0	550 - 850	High dispersibility and hydrophobicity low viscosity polyisocyanate for the formulation of 2K waterborne varnishes with good chemical and abrasion resistance. 高分散性、疏水性、低粘度的聚异氰酸酯可用于2K水性亮光漆配方,并且具有良好的化学性能和耐磨性。

Moisture Curing Polyurethanes - 潮固化聚氨酯

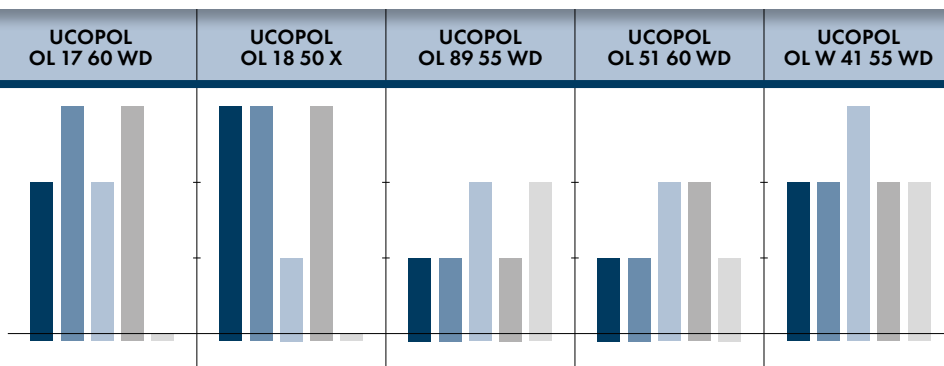
product 产品	% NV 固含	type 类型	solvent 溶剂	type of isocyanate 异氰酸酯类型	% free monomer 游离单体含量	% NCO 含量	Vx mPa·s @ 23°C 黏度	max gardner color 最高色泽	characteristics & main applications 特性及主要应用范围
UCOPOL M 505	53	prepolymer 预聚物	EA BA	TDI	< 0.5	4.4 - 5.2	< 50	1	Ready to use. Excellent flexibility. Coating for wood, plastic, concrete, rubber, textile and leather. 即用,极好的灵活性.涂料用于木材,塑料,混凝土,橡胶,纺织和皮革.
UCOPOL M 33 60	60	prepolymer 预聚物	X PMA	TDI	< 0.5	5.5 - 6.5	250 - 500	1	Fast curing. Excellent hardness. Coating for parquet. 快速固化,硬度好.涂装木地板.
UCOPOL M 33 60 PMA	60	prepolymer 预聚物	PMA	TDI	< 0.5	5.5 - 6.5	250 - 450	1	Fast curing. Excellent hardness. Coating for parquet. 快速固化,硬度好.涂装木地板.
UCOPOL M 34 60 LV	60	prepolymer 预聚物	X PMA	TDI	< 0.3	6.8 - 7.8	800 - 1600	1	Abrasion resistance. Good balance between hardness and flexibility. Coating for parquet. 抗磨性硬度和灵活性.涂装木地板.
UCOPOL M 4054	60	prepolymer 预聚物	X PMA	TDI	< 0.5	6.25 - 6.75	250 - 750	2	Hardness and good brightness. Coating for parquet and plastic. 硬度亮度好.涂层用于实木复合地板和塑料.
UCOPOL M 2851	60	prepolymer 预聚物	X PMA	TDI	< 0.5	5.0 - 6.0	600 - 1200	1	Adhesion. Coating for parquet, metal and plastic. 附着力.涂装木地板,金属和塑料涂层.
UCOPOL W 708	65	prepolymer 预聚物	X PMA N	HDI	< 0.5	10.0 - 11.0	300 - 700	2	Yellowing resistance. High chemical and weather resistance. Coating for wood, plastic, concrete and metal. 耐黄变,高耐化学性和耐候性.涂料用于木材,塑料,混凝土和金属.
UCOPOL M 601	100	prepolymer 预聚物	-	MDI		22.0 - 24.0	< 200	18	1K Primer for concrete solventless and odourless. Ready to use product with good wettability and penetration into the substrate. Shorter cross-linking time than UCOPOL M 602. 无溶剂和无味,能立即使用的1K混凝土底漆,具有良好的润湿性和材料的渗透性,交联时间比UCOPOL M 602较短.
UCOPOL M 602	100	prepolymer 预聚物	-	MDI		22.0 - 24.0	< 200	18	1K Primer for concrete solventless and odourless. Ready to use product with good wettability and penetration into the substrate. 无溶剂和无味,能立即使用的1K混凝土底漆,具有良好的润湿性和材料的渗透性.
UCOPOL M 621	100	prepolymer 预聚物	-	MDI		15.0 - 17.0	4500 - 7500	18	It can be used as impregnating agent of porous substrate as cement screed. It can also be used as a binder in the formulation of solvent-free moisture curing one-component adhesives or in combination with polyols for the formulation of 2K sealants. It has excellent adhesion on different substrate, e.g. wood, metal and plastic. 可作为水泥找平等多孔基材的浸渍剂.也可作为浆料应用在单组分无溶剂潮固化的胶粘剂配方,同时也可与多元醇结合用于2K密封胶的配方.对木材、金属、塑料等基材具有良好的附着力.

UCOPOL OL

Urethane Oil And Urethane Alkyd Resins - 氨基酯油, 氨基酯化醇酸树脂

product 产品	% NV 固含	solvent 溶剂	type of isocyanate 异氰酸酯类型	type of oil 油种	Vx mPa·s @ 23°C 黏度	N.A. max 最大酸值	max gardner color 最高色泽	characteristics & main applications 特性及主要应用范围
UCOPOL OL 17 60 WD	60	WD	aromatic 芳香族	drying 干性	3000 - 7000	1	6	Good outdoor and abrasion resistance. Coating for window frames and boats. Impregnating agent for wood, anti corrosive paints. Resin obtained from renewable raw materials. 良好的户外使用性和抗磨性, 适用在窗框和游艇涂料, 木材浸渍剂或防腐油漆, 树脂来自可再生原材料。
UCOPOL OL 18 50 X	50	X	aromatic 芳香族	drying 干性	4000 - 7000	0.3	6	Good hardness, fast drying. Outdoor resistance. Easily matting properties. Impregnating agent for wood, anti corrosive paints. Resin obtained from renewable raw materials. 高硬度, 快干, 易消光, 有不错的耐候性, 宜用在作木材浸渍剂或防腐油漆, 树脂来自可再生原材料。
UCOPOL OL 89 55 WD	55	WD	aromatic 芳香族	special fatty acids 特种脂肪酸	800 - 1600	3	6	Good outdoor and abrasion resistance. Coating for window frames and boats. Impregnating agent for wood, anti corrosive paints. Resin obtained from renewable raw materials. 良好的户外使用性和抗磨性, 适用在窗框和游艇涂料, 木材浸渍剂或防腐油漆, 树脂来自可再生原材料。
UCOPOL OL 51 60 WD	60	WD	aromatic 芳香族	special fatty acids 特种脂肪酸	4000 - 7000	4	6	Good outdoor resistance. Fast drying. For high quality glossy and mat coating. Good overcoating performances. Resin obtained from renewable raw materials. 良好的户外使用性, 快干, 适用在高档高光或哑光涂料, 具良好复涂性能, 树脂来自可再生原材料。
UCOPOL OL W 41 55 WD	55	WD	aliphatic 脂肪族	special fatty acids 特种脂肪酸	4000 - 7000	4	6	Excellent outdoor resistance and hardness. Good chemical resistance. Suitable for white and light coloured enamels in building and nautical field. Non yellowing enamels with excellent filling power. Resin obtained from renewable raw materials. 优异的户外使用性和硬度, 良好的耐化学性, 适用在浅色或白色建 筑和航海领域的不变瓷漆上, 具良好的填充能力, 树脂来自可再生原材料。

drying 干燥
 abrasion resistance 抗磨性
 yellowing resistance 耐黄变性
 hardness 硬度
 adhesion on metal 金属的附着性



UCOFLEX

Solvent Based Elastomer - 溶剂型弹性体

product 产品	% NV 固含	type 类型	solvent 溶剂	type of isocyanate 异氰酸酯类型	Vx mPa·s @ 23°C 黏度	max gardner color 最高色泽	characteristics & main applications 特性及主要应用范围
UCOFLEX 630 IB	30	elastomer 弹性体	IB	IPDI	1000 - 2000	1	Clear and pigmented paints for ABS, PVC, PUR, Polystyrene and Paper. Good yellowing, abrasion and shock resistance. 具有良好的耐黄变性, 抗磨性和抗冲击性, 可在ABS, PVC, PUR, PS和纸张等材料上作为清漆和色漆的使用。

POLURENADD

Additives - 添加剂

product 产品	characteristics & main applications 特性及主要应用范围
POLURENADD S 51	Catalyst to accelerate 2K PU curing, it promotes the reaction between hydroxyl groups and isocyanic groups. 用以提升2K PU交联固化速度的催化剂, 它促使羟基和异氰酸基团的反应。
POLURENADD BF 5	Moisture scavenger for 1K and 2K polyurethane coatings, it acts on long term therefore advisable for in can storage. 用在1K和2K聚氨酯涂料上的除湿剂, 由于它长期有效, 建议添加在包装内作储存用。
POLURENADD PTSI	Moisture scavenger for 1K and 2K polyurethane coatings, it reacts quickly with residual moisture trapped in formulation step (mixing and filler addition). 用于1K或者2K聚氨酯涂料中的除湿剂, 它能在配制涂料过程中 (混合与颜料添加) 与混入的水份迅速反应。
POLURENADD 20 X	Anti-sagging and anti-settling additive for solvent based coatings. 应用在溶剂性体系的防沉与防流挂助剂。

POLURENE TPI

Adhesion Promoter - 附着力促进剂

product 产品	% NV 固含	type 类型	solvent 溶剂	type of isocyanate 异氰酸酯类型	% NCO 含量	Vx mPa·s @ 23°C 黏度	max gardner color 最高色泽	characteristics & main applications 特性及主要应用范围
POLURENE TPI 27 EA	27	polyisocyanate 聚异氰酸酯	EA	TPTI	7.0 - 7.4	< 50	18	Special polyisocyanate developed for the formulation of products with good adhesion on melamine paper, it can help also on substrate contaminated by residual release agent. 一款在配方上需对三聚氰胺纸张提供良好附着力要求而专门开发的特殊聚异氰酸酯产品, 它也能在一些受残留脱模剂污染的基材发挥同样功效。

POLURENE LP

Prepolymers for Flexible Sealants - 弹性密封胶预聚物

product 产品	% NV 固含	% NCO max 游离NCO 最高含量	Vx mPa*s @ 23°C 黏度	max gardner color 最高色泽	characteristics & main applications 特性及主要应用范围
POLURENE LP 100 NPF	100	0.2	15000 - 25000	3	<p>PU TDI based polymer containing blocked isocyanic groups. Excellent for improving the flexibility of epoxy systems. Excellent rheology. This product don't release Nonyl Phenol.</p> <p>基于TDI的聚氨酯预聚物含有封闭异氰酸基团。具优异的流变性而且无壬基酚的释放,极之适合作改善环氧体系的柔韧性。</p>
POLURENE LP 90 NPF	90	0.2	6000 - 14000	3	<p>PU TDI based polymer in DOA containing blocked isocyanic groups. Excellent for improving the flexibility of epoxy systems. Excellent rheology. This product don't release Nonyl Phenol.</p> <p>基于TDI溶解于DOA聚合物,含有封闭和可固化异氰酸基团。具优异的流变性而且无壬基酚的释放,极之适合作改善环氧体系的柔韧性。</p>
POLURENE LP 80 NPF	80	0.2	3000 - 8000	3	<p>PU TDI based polymer in DOA containing blocked and curable isocyanic groups. Very low viscosity. Excellent for improving the flexibility of epoxy systems for adhesives, sealant and membrane. Excellent rheology. Easy to apply.</p> <p>基于TDI溶解于DOA聚合物,含有封闭和可固化异氰酸基团。具优异的流变性而且容易使用,极之适合在胶粘剂,密封胶和薄膜制品上用作改善环氧体系的柔韧性。</p>

POLURENE LPI

Industrial Adhesives - 工业胶粘剂

product 产品	% NV 固含	% NCO 含量	Vx mPa·s @ 23°C 黏度	max gardner color 最高色泽	characteristics & main applications 特性及主要应用范围
POLURENE LPI 2572	100	12.5 - 14.5	3000 - 7000	18	Solvent free MDI based 1K PU adhesive. It is recommended for sandwich panels for thermic and acoustic insulation. 基于MDI无溶剂1K聚氨酯胶粘剂,推荐用于有隔热或隔音要求的夹层板。
POLURENE LPI 34 NT	100	14.0 - 16.0	2000 - 4000	18	1K adhesive for wood D4 approved recommended for finger joint bonding of outdoor furnitures. Highly resistant to acid and alkaline hydrolysis. Short Pot life. Very crystalline adhesive resistant to heatshock. 1K木材胶粘剂,获D4认证, 推荐用于户外家具指形接合位上的粘合,具有高耐酸碱性,使用期短,对热变化具良好抗结晶性。
POLURENE LPI 604	100	9.0 - 10.0	4000 - 8000	3	MDI based 1K PU binder for moulded-on rubber grains, cork and agglomerates in general. Good mechanical and chemical resistance. Fast curing. 基于MDI的1K聚氨酯浆料,快速固化, 具良好机械性和耐化学性,适合用于一般橡胶粒,软木的压铸和凝聚。
POLURENE LPI 3719	68	1.6 - 2.2	6000 - 10000	2	MDI based 1K PU adhesive in ethyl acetate. Excellent initial bond, recommended for PVC, expanded PU and natural and synthetic fabrics. 溶解于乙酸乙酯,基于MDI的1K聚氨酯胶粘剂, 具出色的初始粘接力,推荐用在PVC,PU发泡体和天然或合成布料。

Inks Modifiers - 油墨树脂

product 产品	% NV 固含	solvent 溶剂	Vx mPa*s @ 23°C 黏度	characteristics & main applications 特性及主要应用范围
POLURENE 5870 K	75	EA	1300 - 2300	Soft polyurethane resin to be used in the formulation of flexo and gravure solvent based NC-PU inks. Characterized by excellent compatibility with pigments and NC resins, good solvent release and jaw properties, good adhesion on polyolefinic substrates and solubility in alcohols and ethyl acetate. 软性聚氨酯树脂用作配制柔印和凹印溶剂型硝化棉聚氨酯油墨,与颜料和硝化棉具有优异的兼容性,良好的溶剂释放性和揉搓性,还有在聚烯烃材料上良好的附着力和在醇及乙酸内良好的溶解性。
POLURENE 5580 K	75	EA	2200 - 3600	Medium hard polyurethane resin to be used in the formulation of flexo and gravure solvent based NC-PU inks. Characterized by good thermal resistance, adhesion on polyolefinic substrates and solubility in alcohols and ethyl acetate. 中硬度聚氨酯树脂用作配制柔印和凹印溶剂型硝化棉聚氨酯油墨,具有良好的耐热性,在聚烯烃材料上良好的附着力和在醇及乙酸内良好的溶解性。
POLURENE 0466 K	70	EA	1000 - 2000	Polyurethane resin to be used in the formulation of solvent based NC-PU inks for gravure surface printing. Good blocking resistance, adhesion on clear and pearlized BOPP, PE, CPP. It can be used also for flexo application. 聚氨酯树脂用作配制凹印溶剂型硝化棉聚氨酯油墨,有良好不回粘性,在透明及珠光 BOPP, PE, CPP 材料上有良好的附着力,也可在柔印上使用。
POLURENE 0780 K	55	EA EtOH	1000 - 2500	Film-forming, aliphatic polyurethane resin to be used in the formulation of flexo and gravure NC-PU, PVB-PU and full-PU solvent based inks. Characterized by good printing quality even in high speed processes and higher adhesion compared to plasticizer PUs. 成膜、脂肪族聚氨酯树脂用于柔版印刷以及凹版印刷NC-PU, PVB-PU和纯PU的溶剂型油墨配方。其特点是即使在高速印刷过程中印刷质量也很好,与塑化剂PUs相比附着力更强。

Polyisocyanates - 聚异氰酸酯

product 产品	% NV 固含	solvent 溶剂	Vx mPa*s @ 23°C 黏度	% NCO 含量	characteristics & main applications 特性及主要应用范围
POLURENE FP 75 K	75	EA	1200 - 3000	13.0	Aromatic polyisocyanate to be used in 2K inks as hardener or/and adhesion promoter. When used in 2K over print varnish, POLURENE FP 75 K is recommended to impart elastomeric properties. 芳香族聚异氰酸酯在配制某些油墨上作为固化剂或附着力促进剂。在配制双组分单光油时它也被推荐用来给与单光油弹性的性能。
POLURENE IR 51 K	50	EA	100 - 400	8.0	Aromatic polyisocyanate to be used in the formulation of fast curing 2K overprint varnish. POLURENE IR 51 K is recommended to impart crystalline properties to the varnish. 芳香族聚异氰酸酯作为NCO功能团用作配制快干双组分单光油,它也被推荐用来给与单光油晶体性。
POLURENE OK K	60	EA	100 - 400	10.2	Aliphatic-aromatic polyisocyanate to be used in the formulation of fast curing 2K overprint varnish. POLURENE OK K is recommended for high gloss system. 脂肪族和芳香族复配的聚异氰酸酯作为NCO功能团用作配制快干双组分单光油,它也被推荐用来给与单光油有限度的耐黄变性。

Low Monomer Polyisocyanates - 低游离单体的聚异氰酸酯

product 产品	% NV 固含	solvent 溶剂	Vx mPa*s @ 23°C 黏度	% NCO 含量	characteristics & main applications 特性及主要应用范围
POLURGREEN FP 75 01 K	75	EA	1200 - 3000	13.0	Low monomer version of POLURENE FP 75K. POLURENE FP 75K 的低游离单体版本。
POLURGREEN IR 51 01 K	50	EA	400 - 1000	7.4	Low monomer version of POLURENE IR 51K. POLURENE IR 51K 的低游离单体版本。
POLURGREEN OK K 01	60	EA	350 - 850	10.0	Low monomer version of POLURENE OK K. POLURENE OK K 的低游离单体版本。

Polyester Resin for OPV - OPV用聚酯树脂

product 产品	% NV 固含	solvent 溶剂	Vx mPa*s @ 23°C 黏度	N° OH 羟值	characteristics & main applications 特性及主要应用范围
REXIN 6302 K	70	EA	100 - 500	100	Aromatic polyester to be used in the formulation of fast drying 2K matt/gloss overprint varnish in combination either with Polurene IR51 K or FP 75 K. 芳香族聚酯树脂,与Polurene IR51K或者FP75K搭配来配制快干双组分哑光/亮光单光油。
REXIN 6258 K	60	EA	50 - 250	180	Highly branched aliphatic polyester to be used in the formulation of fast drying 2K matt/gloss overprint varnish. It can be used in combination with Polurene IR51 K and FP75 K, or POLURENE OK K to improve UV resistance. 高支链化脂肪族聚酯用作配制快干双组分哑光/亮光单光油,可与Polurene IR51K或者FP75K搭配,或者与Polurene OKK搭配来加强耐黄变性。
REXIN 1939 K	75	EA	3000 - 4000	165	Saturated aromatic polyester to be used in the formulation of 2K overprint varnish in combination either with Polurene IR51 K or FP 75 K. High compatibility with other polymer resins (Vinyl copolymer, NC, polyesters). 芳香族饱和聚酯,与Polurene IR51K或者FP75K搭配来配制双组分单光油,与其他树脂(氯醋共聚物,硝化棉,聚酯)高度兼容。

UNI-DUR

Polyisocyanates for Footwear - 鞋业用异氰酸酯

product 产品	appearance 外观	Vx mPa·s @ 23°C 黏度	% NV 固含	solvent 溶剂	% NCO 含量	max gardner color 最高色泽	characteristics & main applications 特性及主要应用范围
UNI - DUR WB 7000	clear	2000 - 4000	100	-	16.0 - 18.0	2	<p>Hardener for high-quality water based polyurethane systems. It can improve the resistance of adhesive bonds towards moisture, heat and solvents. Thanks to its hydrophilic character it is easily dispersible by mechanical stirrer.</p> <p>用于高品质水性聚氨酯体系的固化剂。 它能提高胶黏剂的耐潮、耐热以及耐溶剂性。 由于其亲水性，它很容易被机械搅拌分散。</p>
UNI - DUR E 2008 RC	clear	< 50	35	EA	5.7 - 6.3	1	<p>Crosslinker for the formulation of adhesives for natural or synthetic rubber, leather and shoes manufacturing. Good drying time and good pot-life; excellent balance between hardness and elasticity of the adhesive; excellent greentack; good yellowing resistance.</p> <p>用于配制成制鞋、皮革、天然或合成橡胶胶黏剂上的交联剂， 具良好的干燥时间和使用期，优异的硬度与弹性的平衡及初始粘接性， 耐黄变也佳。</p>
UNI - DUR E 1001 RN	clear	< 50	40	EA	7.0 - 7.6	1	<p>Recommended to improve the adhesion, cohesion and heat resistance of the final bond. It yields bonds that undergo to minimal colour modification.</p> <p>推荐用于改善最终粘结的附着力，持粘力和耐热性，只会产生极轻微的褪色。</p>
UNI - DUR E 2002 ARFE	clear	< 50	27	EA	7.2 - 8.2	18	<p>Recommended for crosslinking industrial polyurethane adhesives for natural or synthetic rubber. It improves significantly the adhesion, cohesion and mainly the heat resistance of the final bond.</p> <p>推荐用于天然或合成橡胶的工业聚氨酯胶黏剂的交联。 它显著提高了附着力、持粘力，主要提高了最终胶黏剂的耐热性。</p>
UNI - DUR E 1001	clear	< 50	43	EA	6.8 - 7.2	1	<p>Crosslinker for the formulation of adhesives for natural or synthetic rubber, leather and shoes manufacturing. Good drying time and good pot-life; excellent balance between hardness and elasticity of the adhesive; excellent greentack; good yellowing resistance.</p> <p>推荐用于天然或合成橡胶、皮革和鞋用胶黏剂配方中的交联剂。 具有快干、活化期长、优异的平衡硬度和弹性的胶黏剂。 极好的初粘力，耐黄变性。</p>

glossary

isocyanates

HDI	HEXAMETHYLENE DIISOCYANATE
IPDI	ISOPHORONE DIISOCYANATE
MDI	DIPHENYLMETHANE DIISOCYANATE
TDI	TOLUENE DIISOCYANATE
TPTI	TRIS (P-ISOCYANATOPHENYL) THIOPHOSPHATE

异氰酸酯

六亚甲基二异氰酸酯
异佛尔酮二异氰酸酯
二苯甲烷二异氰酸酯
甲苯二异氰酸酯
硫代磷酸(对异氰酸基苯基)三苯酯

diluent

BA	BUTYL ACETATE
DOA	DIOCTYL ADIPATE
EA	ETHYL ACETATE
EtOH	ETHANOL
IB	iso-BUTANOL
N	SOLVesso 100
MEK	METHYL ETHYL KETONE
PMA	METHOXYPROPYLACETATE
WD	D40 WHITE SPIRIT
X	XYLENE

稀释剂

乙酸丁酯
二辛基己二酸盐
乙酸乙酯
乙醇
异丁醇
100号芳香族溶剂
丁酮
PMA 丙二醇甲醚酸酯
D40溶剂(白电油)
二甲苯

notes

N.A. max	Acid Number
N° OH	Hydroxyl Number MG/KOH
% OH	Hydroxyl Percentage
% NCO	Nco
% NV	Non Volatile
TYPE	Type of Product
Vx mPa*s @ 23 °C	Viscosity at 23°C
NB: All specifications refer to the delivery form	

注释

最大酸值
羟值
羟基含量
NCO含量
固含
产品类型
黏度
所有数据均基于其供应态



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