



ANWIN ENTERPRISES (TAIWAN) CO., LTD.

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Crosslinking Agents for Polyurethane Coating Applications

(1)Aromatic polyisocyanates:

Toluene diisocyanate (TDI) based aromatic polyisocyanate resins mainly used as hardener of hydroxyl-bearing binders such as alkyd, polyester etc. to formulate two-component PU coatings for metal, wooden, paper,plastics and mineral substrates for interior usage.

Product name	Nonvolatile (%)	Solvent	Viscosity (CPS/25°C)	NCO (%)	Colour (Gardner)	Free TDI Monomer(%)	Characteristics
UH-175LE	75±2	EAc	1600±400	13.0±0.5	<1	<0.5	Low free TDI monomer residue, Good adhesion to many substrates with improved resistance to heat, plasticizers , oil,and many solvents.
UH-160LE	60±2	EAc	200±100	10.3±0.5	<1	<0.5	
UH-150LE	50±2	EAc	<80	8.5±0.5	<1	<0.3	
UH-250B	50±2	BAc	150±100	7.8±0.5	<1	<1.5	Good thinning ability with ester solvents, Fast initial drying and quick sandability for industrial wood and furniture coatings.
UH- 250E	50±2	EAc	150±100	9.5±0.5	<1	<3.5	
UHT-275T	73±2	TOL	3500±1500	7.5±0.5	<1	----	Easily dissolved in aromatic solvents such as Toluene,suitable for used as curing agent for acrylic resins, modified alkyd resins,epoxy resins or phenolic resins.
UHT-270T	70±2	TOL	900±300	8.5±0.5	<1	----	



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(2) Aliphatic polyisocyanates :

Aliphatic polyisocyanates derived from aliphatic diisocyanate typically used as crosslinker of polyacrylate and polyester polyol binders to formulate tow-component polyurethane coatings recommended for exterior usage.

Product name	Nonvolatile (%)	Solvent	Viscosity (cps/25°C)	NCO(%)	Colour (Gardner)	Characteristics
UH-300	99.5±0.5	---	1500±500	23.1±0.5	<1	Low viscosity and high NCO content, providing PU coatings with features in fast drying, non-yellowing, exceptional outdoor durability, high toughness, flexibility and mechanical properties ,resistance to abrasion and chemicals.
UH-375B	75±2	BAC	150±100	17.5±0.5	<1	
UH-375PX	75±2	PMA/Xylene	250±150	16.5±0.5	<1	

(3)Blocked polyisocyanates :

Special type polyisocyanates used as a sole crosslinker or in conjunction with amino resins of conventional baking systems to prepare one-package polyurethane thermosetting coating systems etc.

Product name	Nonvolatile (%)	Solvent	Viscosity (cps/25°C)	NCO(%)	Colour (Gardner)	Characteristics
UH-560E	60±2	EAC	3000±1000	10±0.5 (Effect NCO)	<1	Good storage stability with long pot life at room temperature when used with coreactant resins. Cure at high temperature with shorter curing time, Forming film with outstanding performance properties such as high hardness, good adhesion and flexibility, good mechanical properties and good chemical resistance.
UH-570T	67±2	TOL	2000±1000	8.0±0.5 (Effect NCO)	<1	