

Tolonate™ HDB

Technical DataSheet | Supplied by Vencorex

Tolonate™ HDB by Vencorex is an polyisocyanate based on Hexamethylene Diisocyanate biuret (HDI homopolymer). It functions as a crosslinking agent. Suitable for use in two-component polyurethane coatings and varnishes, exterior protective coatings for car repair, general industrial, plastics, wood and intermediate for prepolymer synthesis. Tolonate™ HDB has a shelf life of 2 years.

Product Type	Crosslinking / Coupling / Curing Agents
Chemical Composition	Aliphatic polyisocyanate based on hexamethylene diisocyanate
CAS Number	28182-81-2
Physical Form	Liquid
Appearance	Clear, Viscous
Product Status	COMMERCIAL
Geographical Availability	Africa, Asia / Pacific, Central and Eastern Europe, Middle East and Central Asia, North America, South and Central America, Western Europe
Applications/ Recommended for	Coatings > Solvent-Free/ High-Solids Inks Coatings Markets > Plastic coating Coatings Markets > Marine /Anti-Corrosive / Protective Coatings Markets > Automotive OEM Coatings Markets > Wood & Furniture Coatings Coatings Markets > General Industrial /Maintenance

Tolonate™ HDB Properties

Property	Value & Unit	Test Condition	Test Method
Color, Hazen	< 40		
Viscosity @ 25°C	9000 - 2000 mPa.s		
NCO (on delivery form)	21 - 23 %		

Solids Content 100 %

Bulk Density @ 25°C 1120 kg/m³

Flash Point, Closed Cup > 120 °C

Equivalent Weight (on delivery form) 191 g

Hexamethylene Diisocyanate Monomer (HDI) < 0.3 %

Solubility	Element	Test Condition	Test Method
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Soluble in	ester		
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Soluble in	ketone		
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Soluble in	aromatic hydrocarbon		
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