

HDI Waterborne Covestro XP2700

ABOUT:

Hydrophilic aliphatic polyisocyanate based on hexamethylene diisocyanate (HDI). As a hardener for aqueous two-component polyurethane systems.

Product Types:

No data available

Material:

No data available

General Characterization:

Hydrophilic aliphatic polyisocyanate based on hexamethylene diisocyanate (HDI).

As a hardener for aqueous two-component polyurethane systems.

Logistics and Handling

Storage Conditions:

- Storage in original sealed Covestro container.
- Recommended storage temperature: 0 - 30 °C.

- Protect from moisture, heat and foreign material.

General information: Hydrophilic isocyanates are very moisture-sensitive and react with water to form carbon dioxide and insoluble ureas. The containers must always be kept tightly closed. The access of water in all forms (moist air, solvents, moist containers) must be prevented, because the generation of carbon dioxide can lead to dangerous increases in pressure. Storage at higher temperatures will result in increase of color and viscosity.

Sampling:

No data available

Technical Properties & Datasheets

Characteristics:

Property Name	Test Method	Unit	Value
Density at 20 °C	DIN 51 757	g/cm ³	approx. 1.07
Equivalent weight			approx. 396
Flash point	DIN EN ISO 2719	°C	approx. 61

Specifications:

Property Name	Test Method	Unit	Value
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Hazen color value	DIN EN 1557		≤ 150
Monomeric HDI content	DIN EN ISO 10 283	% by wt.	< 0.1
Non-volatile content (2.2 g / 120 min / 100°C)	DIN EN ISO 3251	%	65 ± 2
Viscosity at 23 °C, (D = 200 s ⁻¹)	DIN EN ISO 3219/A.3	mPa*s	75 ± 15
NCO content	DIN EN ISO 11 909	%	10.6 ± 0.3

Packaging:

200KG/drum Please fasten the packaging cover as soon as possible after original packaging to prevent the mixing of other substances such as moisture and other substances that may affect the performance of the product. Do not inhale dust, avoid skin and mucous membrane contact. Smoking, eating and drinking are prohibited in the workplace. After work, shower and change clothes. Store contaminated clothes separately and reuse them after washing. Maintain good hygiene practices.

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