

HDI closed Covestro BL 3175 SN

ABOUT:

Blocked aliphatic HDI-polyisocyanate. With Desmophen® grades to formulate lightfast one-component polyurethane stoving coatings; as an additive to improve flexibility and adhesion.

Product Types:

- HDI
- PIC
- Aliphatic polyisocyanate
- Crosslinkers
- Polyisocyanate
- Hardeners
- Polyisocyanurate
- Isocyanate

Material:

Coatings, paints & inks:

Solventborne, Flexible, Thermally resistant, Elastic

General Characterization:

Blocked, aliphatic polyisocyanate based on HDI.

In combination with Desmophen® grades to formulate lightfast, one-component polyurethane stoving coatings; as an additive in conventional stoving systems to improve flexibility and adhesion.

Storage Conditions:

- Storage in original sealed Covestro container.
- Recommended storage temperature: 0 - 30 °C.
- Protect from moisture, heat and foreign material.

General information: Storage at higher temperatures will result in increase of color and viscosity. Storage at significant lower temperatures will result in solidification. This solidification is reversible by briefly heating the product without adversely affecting the quality of the product.

Characteristics:

Property Name	Test Method	Unit	Value
Equivalent weight			approx. 380
Density at 20 °C	DIN EN ISO 2811	g/ml	approx. 1.06
Flash point	DIN 53 213/1	°C	approx. 45

Blocked NCO content		%	approx. 11.1
Viscosity at 25 °C	M014-ISO 3219/A.3	mPa*s	approx. 2,800

Specifications:

Property Name	Test Method	Unit	Value
Color value (Hazen)	M017-EN 1557		≤ 60
Viscosity at 23 °C	M014-ISO 3219/A.3	mPa*s	3,300 ± 400
Free NCO content, modified	M105-ISO 11909	%	≤ 0.2
Non-volatile content (0.2 g / 60 min / 80 °C)	M020-ISO 3251	%	75 ± 2

Storage and Transportation:

STORAGE: It is recommended to store in a dry and cool area with proper ventilation.

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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