

IFC-2703

Water Dispersible Polyisocyanate



Technical Data Sheet

Name: IFC-2703

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Product Description

IFC-2703 is a water dispersible polyisocyanate based on hexamethylene diisocyanate (HDI). In combination with waterborne polyurethane, polyacrylate, etc., it can be used for water-borne coatings and adhesive. After addition of Aquolin 268, the ready-to-use mixture must be used within the pot life.

IFC-2703 can be diluted with the solvents, such as propylene glycol methyl ether acetate (PMA), propylene glycol diacetate (PGDA), butyl acetate, etc. Only PU grade solvents (< 0.05% water) should be used and the solvents must be tested in advance by the user to determine suitability.

Properties

1. High gloss and high building up.
2. Excellent weather resistance.

Characteristic data *

Property	Value	Unit
Appearance	Colorless to yellowish transparent liquid	
Color APHA	<80	
Viscosity	5000-7000	mPa·s
Density	~1.17	g/cm ³
NCO content	20.5±0.5	%
Monomeric isocyanate	≤0.1	%
Flash point	~196	°C

*These properties are typical but do not constitute specifications.

Storage

The product should be stored in dry condition between 5~35°C with the integrity of the packaging, and prevented from direct sunlight. The validity of this product is for 12 months, performance assessment is recommended before use after shelf life. The product should be protected from freezing during storage. Water dispersible polyisocyanates are very moisture-sensitive and react with water to form carbon dioxide and insoluble ureas. The generation of carbon dioxide can lead to dangerous increases in pressure. The containers must always be kept tightly closed and the access of water in all forms must be prevented. It is suggested to filter before application and use up once the package is open.

Disclaimer

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