

Technical Data Sheet



IsoPMDI 92140

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Application

IsoPMDI 92140 is principally used for the manufacture of insulating foams and higher density rigid foams. It is also used for the production of semi-rigid foams in the automotive industry and sound insulation as well as for packaging foams, casting materials, binders and adhesives.

Chemical Characteristics

IsoPMDI 92140 is a solvent-free product based on 4,4'-diphenylmethane diisocyanate (MDI) and contains oligomers of high functionality and isomers. The average functionality is approx. 2.7.

Supply

The type of supply for the components will be decided after consultation with our Sales Office.

Storage, Preparation

Polyurethane components are moisture sensitive. Therefore they must be stored at all times in sealed, closed containers. More detailed information should be obtained from the separate data sheet entitled "Information for in-coming material control, storage, material preparation and waste disposal" and from the component data.

Possible Hazards

Isocyanate irritates the eyes, respiratory organs and the skin. Sensitisation is possible through inhalation and skin contact. MDI is harmful by inhalation. On processing these, take note of the necessary precautionary measures described in the Material Safety Data Sheets (MSDSs). See also our separate information sheet "Safety- and Precautionary Measures for the Processing of Polyurethane Systems." Use our Training Programme "Safe Handling of Isocyanate."

Waste Disposal

More detailed information is provided in our country-specific pamphlet.

Consumer articles, medical products

There are national and international laws and regulations to consider if it is intended to produce consumer articles (e.g. articles that necessitate food or skin contact, toys etc.) or medical objects out of BASF Polyurethanes GmbH products. Where these do not exist, the current legal requirements of the European Union for consumer articles as well as medical products should be sufficient. Consultation with our Sales Office and our Ecology and Product Safety Department is strongly recommended.

Component Data

	Unit	Value	Method
NCO-content	%	31.5	ASTM D 5155-96 A
Acidity as HCl	mg/kg	100	ASTM D 1638-74
Viscosity (25 °C)	mPa·s	210	DIN 53 018
Density (20°C)	g/cm ³	1.24	DIN 51 757
Specific heat (20 °C)	kJ/kg·K	1.4	-
Specific heat (80 °C)	kJ/kg·K	1.6	-
Shelf life	days	180	-
Appearance	-	brown liquid	-

The data contained in this document as well as advice or other support services are based on our current knowledge and experience and are provided according to our best knowledge. In view of many factors that may affect processing and application of our products, this data does not relieve processors from carrying out their own investigations and tests, particularly with regards to the suitability of the goods supplied for the processes and purposes they intend to use them for; neither does this data imply any guarantee of certain properties, or the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, measured values etc. given herein may change without prior notice and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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