

SABIC® ISOCYANATE MDI 2031

MDI BASED ISOCYANATE COMPOUND

DESCRIPTION

SABIC® MDI 2031 is a brown low viscosity mixture of diphenylmethane-4,4' diisocyanate with isomers and homologues of higher functionality (polymeric-MDI) with an average functionality of 2.7 for multi-purpose (non-) foamed rigid and flexible applications.

TYPICAL APPLICATIONS

SABIC® MDI 2031 offers a balanced viscosity and tailored acidity range making it suitable for a wide range of foamed and non-foamed rigid, viscoelastic and flexible applications while providing excellent process conditions.

TYPICAL PROPERTY VALUES

Revision 20221221

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
PROPERTIES ⁽¹⁾			
Isocyanate (NCO) content	30.4 - 32.00	Wt. %	ASTM D5155
Viscosity			
@ 25°C	160 – 240	mPa.s	ASTM D4889
Acid			
Acidity as HCl (Hot)	0 – 250	ppm	SABIC method

(1) : Typical values; not to be construed as specification limit

HEALTH AND SAFETY CONSIDERATIONS AND PRECAUTIONS

Prior any use of SABIC's polyurethane related materials (polyols or isocyanates), it is necessary to understand the hazards involved in handling them and to establish and follow safe work procedures. Safety Data Sheets (SDS), product literature, and safe handling and storage information are available for the polyurethane related materials supplied by SABIC. Recommendations for handling, storage and disposal of any ingredient not provided by SABIC should be acquired from the supplier. Safety Data Sheets are available to help customers satisfy their own handling, safety and disposal needs, and those required by locally applicable health and safety regulations and SDS are regularly updated. Please ensure you have the updated SDS before handling or using any product provided by SABIC.

Detailed information is provided in the relevant Material Safety Datasheet available on the internet (www.SABIC.com). Additional specific information can be requested via your local Sales Office.

All SABIC Isocyanates are hazardous or potentially hazardous materials and require care in handling. All persons who work with these materials must know and follow proper safe handling procedures.

STORAGE AND HANDLING

Shipping and storage temperatures are critical. Recommended temperatures should be strictly followed: Isocyanates are products with limited shelf life. Depending upon the isomer and oligomer composition, specific storage temperature and shelf life must be applied. If shipping or storage temperature should falls below recommended temperatures, some crystallization could result. Keep container closed as moisture contamination will induce an exothermic reaction with evolution of carbon dioxide CO₂ which may cause dangerous pressure generation. Isocyanates should be stored separately from chemicals that may react with them (i.e. amines, polyols, etc)

DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.