

MONDUR[®] MR 5

Polymeric MDI

CAS No. 9016-87-9

Product Code: G429

Product Information

Description

Mondur MR 5 is a polymeric diphenylmethane diisocyanate (PMDI) used in the formulation of high-property specialty elastomers. As with any product, use of Mondur MR 5 isocyanate in a given application must be tested (including field testing, etc.) in advance by the user to determine suitability.

Typical Properties*

Property	Value
Appearance	Dark brown liquid
NCO, Wt. %	32.1
Acidity, Wt. %	0.015
Viscosity** at 25°C, mPa·s	60
Specific Gravity at 25°C	1.24
Flash Point, PMCC, °C	203

Storage

Mondur MR 5 isocyanate must be stored in tightly closed containers and protected from contamination with moisture and foreign materials, which can adversely affect processing. PMDI will react slowly with water to form polyureas and liberate CO₂ gas, which may cause sealed containers to expand and rupture. Storage temperatures should be maintained at 18°–30°C (64°–86°F).

Health and Safety Information

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling Mondur MR 5 isocyanate. Before working with this product, you must read and become familiar with the available information on its hazards, proper use, and handling. This cannot be over-emphasized. Information is available in several forms, e.g., material safety data sheets and product labels. Consult your Bayer MaterialScience representative or contact Bayer's Product Safety and Regulatory Affairs Department in Pittsburgh, Pa.

* These items are provided as general information only. They are approximate values and are not considered part of the product specifications.

** Brookfield viscosity method.

Note: The information contained in this bulletin is current as of February 1997. Please contact Bayer MaterialScience to determine whether this publication has been revised.

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