

TECHNICAL DATASHEET

MR 200 is a diisocyanato-diphenylmethane (MDI) based composition containing some higher functionality isocyanates. It was developed principally for use in the production of rigid polyurethane foam. It is also recommended for some structural foam systems as well as for semi-rigid foam formulations often used in automotive interior trim components.

If it is intended to use this product in a different application Era Polymers should be contacted for advice.

Product Specification

%NCO	30.8
Viscosity at 25°C (cPs)	220
Specific Gravity at 25°C	1.23
Flash point (°C)	230 (open cup)
Fire Point (°C)	245 (open cup)
Appearance	Dark brown liquid

Handling and Storage

Containers of **MR200** should be kept properly closed and stored indoors in a well-ventilated area under normal factory conditions.

Storage at room temperature (20-25°C) provides a convenient viscosity for handling. Storage at low temperatures (below 15°C) is not recommended because it may lead to some crystallization; this material must therefore be protected from frost.

If under abnormal storage conditions (below 15°C), some crystallisation does occur, the material should be heated as rapidly as possible to 70-80°C to melt it out, then be thoroughly agitated to ensure homogeneity and cooled before use.

Storage at temperatures above about 50°C is not recommended since this can lead to the formation of insoluble solids and it also increases the rate of viscosity increase on extended storage.

This information is of general nature and is supplied without recommendation of guarantee. It does not make claim to be free from patent infringement. Properties shown are typical and do not imply specification tolerances. Era Polymers cannot accept liability for loss or damage through use. Whilst these technical details are based on expert knowledge, practical experience and laboratory testing, successful application depends upon the nature and conditions in which the products are supplied. Users must, by comprehensive testing, evaluate this product in their own application.

Reaction with atmospheric moisture is prevented by storing **MR200** in carefully sealed containers or under a dry nitrogen or dry air atmosphere. During handling the product must be protected from water ingress and from atmospheric moisture; containers must be resealed or kept under dry nitrogen/air atmosphere after each sampling. The reaction of isocyanates with water leads to the formation of insoluble ureas and carbon dioxide gas which can lead to pressure build-up in closed containers; containers used for **MR200** must therefore be absolutely dry.

Under the recommended storage conditions, **MR200** has a storage life of 3 months on the customers premises.

The precautions necessary when handling **MR200**, (i.e. MDI) and the decontamination procedures recommended to be used in case of spillage are described fully in the publication PU 193-1E MDI- based compositions: Hazards and safe-handling procedures.

Please read the Safety Data Sheet before use.

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