PRODUCT DATA SHEET

POLYETHYLENE MB6501

HIGH DENSITY POLYETHYLENE

DESCRIPTION

MB6501 is a multimodal, high-density polyethylene transition grade for injection moulding

APPLICATIONS

Crates
Sheets

KEY FEATURES

Easy processability
Good mechanical properties
Excellent impact strength – stiffness balance.

PHYSICAL PROPERTIES

Property	Typical Value*	Test Method
Density	955 kg/m3	ISO 1183
Melt Flow Rate (190°C/2.16kg)	1.0 g/10min	ISO 1133
Melt Flow Rate (190°C/5.0kg)	4.0 g/10min	ISO 1133

* Typical properties and data should not be used for specification work

PROCESSING CONDITIONS

This product is easy to process with standard injection moulding machines

Following injection moulding parameters should be used as guidelines:

- Melt temperature: 190 - 250 °
- Mould temperature: 10 - 40 °C
- Injection speed: as high as possible.

Shrinkage 1 - 2 %, depending on wall thickness and moulding parameters

Please contact your local Borouge representative for specific recommendations for processing conditions

STORAGE

MB6501 should be stored in dry conditions at temperature bellow 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on physical properties of this product.
More information on storage can be found in Safety Information Sheet (SIS) for this product.

SAFETY

The product is not classified as a hazardous mixture.
Dust and fines from the product carry a risk of dust explosion. All equipment should be properly earthed. Inhalation of dust should be avoided as it may cause irritation of the respiratory system. Small amounts of fumes are generated during processing of the product. Proper ventilation is therefore required.

Please see our Safety Information Sheet (SIS) for details on various aspects of safety, recovery and disposal of the product, for more information contact your Borouge representative.

Borouge Pte Ltd
1 George Street, #18-01
Singapore 049145
T +65 6275 4100 F +65 6377 1233

Borouge is a joint venture of ADNOC and Borealis

INSPIRING TOMORROW

www.polymerinstock.com

Supplied by Polymer in Stock · www.polymerinstock.com · +971 6 543 0015

RECYCLING

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

RELATED DOCUMENTS

The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

Safety Information Sheet
Statement on chemicals, regulations and standards

DISCLAIMER

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication, however, we do not assume any liability whatsoever for the accuracy and completeness of such information.

Borouge makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

No liability can be accepted in respect of the use of Borouge's products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.

Borstar® is a trademark of the Borealis group.

Feb. 2018

Borouge Pte Ltd
1 George Street, #18-01
Singapore 049145
T +65 6275 4100 F +65 6377 1233

Borouge is a joint venture of ADNOC and Borealis

INSPIRING TOMORROW

Supplied by Polymer in Stock · www.polymerinstock.com · +971 6 543 0015