PRODUCT DATA SHEET

POLYETHYLENE MB6502

HIGH DENSITY POLYETHYLENE

DESCRIPTION

MB6502 is a natural multimodal, high-density polyethylene grade for injection moulding application, it is produced with the proprietary Borstar® bimodal technology which provides easy processing and good mechanical properties.

APPLICATIONS

Crates
Boxes
Plastic Pallets
Thick Sheets

KEY FEATURES

Good processability
Good mechanical properties
Impact strength – Stiffness balance.

PHYSICAL PROPERTIES

Property	Typical Value*	Test Method
Density	955 kg/m3	ISO 1183
Melt Flow Rate (190°C/2.16kg)	2.5 g/10min	ISO 1133
Tensile Modulus (1mm/min)	900 MPa	ISO 527-2
Vicat Softening Temperature	124°C	ISO 306
Melting Temperature	130°C	ISO 11357/03

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

PROCESSING CONDITIONS

This product is 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

MB6502 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.

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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.

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.

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Borstar® is a trademark of the Borealis group.

Feb. 2018

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