

Technical Data Sheet



Polypropylene HE125MO

DESCRIPTION

HE125MO is a polypropylene homopolymer intended for injection moulding.

The grade shows very good stiffness and toughness

APPLICATIONS

Closures
House ware
Garden furniture
Compounds and master batches

SPECIAL FEATURES

Good flow behavior

High stiffness

PHYSICAL PROPERTIES

Property	Typical Value	Test Method
Data should not be used for specification work		
Density	900 - 910 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2.16 kg)	12 g/10min	ISO 1133
Tensile Modulus (1 mm/min)	1550 MPa	ISO 527-2
Tensile Strain at Yield (50 mm/min)	9 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	34.5 MPa	ISO 527-2
Heat Deflection Temperature (0.45 N/mm ²) *	88 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	3.5 kJ/m ²	ISO 179/1eA
Izod Impact Strength, notched (23°)	30 J/m	ASTM 256
Hardness, Rockwell (R-scale)	100	ISO 2039-2

* Measured on injection moulded specimens acc. to ISO 1873-2

PROCESSING TECHNIQUES

This product is easy to process with standard injection moulding machines.

Following moulding parameters should be used as guidelines:

Melt temperature	220 - 260 °C	
Holding pressure	200 - 500 bar	Minimum to avoid sink marks.
Mould temperature	20 - 40 °C	
Injection speed	High	
Shrinkage	1 - 2 %, depending on wall thickness and moulding parameters	



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STORAGE

HE125MO should be stored in dry conditions at temperatures below 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 the physical properties of this product.

More information on storage can be found in Safety Data Sheet for this product.

SAFETY

The product is not classified as a dangerous preparation.

Please see our Safety Data Sheet / Product Safety information sheet 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 Data Sheet
Statement on chemicals, regulations and standards
Statement on compliance to food contact regulations

DISCLAIMER

The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.

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.

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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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April - 2010

