

Description

HE125MO is a polypropylene homopolymer intended for injection moulding. This grade is characterized by good flow properties and high stiffness in and is specially suitable for high-speed injection moulding of articles demanding

Its very good organoleptic properties allows this grade to be used with any masterbatch without discoloring problems.

Applications

House ware and thin wall packaging Articles with rather long and narrow flow lengths

Special features

Good flow behaviour High stiffness

Physical Properties

Property	Typical Value Data should not be used for sp	Test Method pecification work
Density	908 kg/m3	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	12 g/10min	ISO 1133
Tensile Modulus (1 mm/min)	1.550 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/mm²) 1	88 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	3,5 kJ/m²	ISO 179/1eA
Hardness, Rockwell (R-scale)	100	ISO 2039-2

¹ 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 200 - 500 bar Holding pressure Mould temperature 20 - 40 °C Injection speed

Minimum to avoid sink marks.

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





Storage

HE125MO should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation with resulting odour generation and colour changes.

Safety

The product is not classified as a dangerous preparation.

Recycling

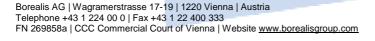
The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

Please see our Safety Data Sheet for details on various aspects of safety, recovery and disposal of the product, for more information contact your Borealis representative.

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 Recovery and disposal of polyolefins Information on emissions from processing and fires 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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