



# Polypropylene HE125MO

## 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 easy flow.

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

**CAS-No.** 9003-07-0

## 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	Test Method
Data should not be used for specification work		
Density	905 kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	12 g/10min	ISO 1133
Flexural Modulus	1.350 MPa	ISO 178
Tensile Modulus (50 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 MPa	ISO 527-2
Heat Deflection Temperature (0,45 N/mm <sup>2</sup> ) <sup>1</sup>	88 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	3,5 kJ/m <sup>2</sup>	ISO 179/1eA

<sup>1</sup> 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 with resulting odour generation and colour changes.

**Safety**

The product is not classified as dangerous.

**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" / "Product safety information 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" / "Product safety information sheet"

Recovery and disposal of polyolefins

Information on emissions from processing and fires

Statement on compliance to food contact regulations



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**HE125MO**

**Disclaimer**

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