

## 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 |
|---|-----------------------------|-------------|
| -----   |                             |             |
| Density   | 900 - 910 kg/m <sup>3</sup> | 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 <sup>2</sup> ) * | 88 °C                       | ISO 75-2    |
| Charpy Impact Strength, notched (23 °C)                 | 3.5 kJ/m <sup>2</sup>       | 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 <span style="margin-left: 20px;">Minimum to avoid sink marks.</span> |
| 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.**

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