

#### **Description**

**HD120MO** is a polypropylene homopolymer with a good combination of mechanical properties intended for injection moulding.

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

# **Applications**

Sanitary equipment General packaging Caps and closures

# **Physical Properties**

Property	Typical Value Data should not be used for	Test Method specification work	
Density	905 kg/m³	ISO 1183	
Melt Flow Rate (230 °C/2,16 kg)	8 g/10min	ISO 1133	
Flexural Modulus	1.300 MPa	ISO 178	
Tensile Modulus (50 mm/min)	1.500 MPa	ISO 527-2	
Tensile Strain at Yield (50 mm/min)	8 %	ISO 527-2	
Tensile Stress at Yield (50 mm/min)	35 MPa	ISO 527-2	
Heat Deflection Temperature (0,45 N/mm²) 1	90 °C	ISO 75-2	
Charpy Impact Strength, notched (23 °C)	3,5 kJ/m²	ISO 179/1eA	

<sup>&</sup>lt;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 parameters should be used as guidelines:

Melt temperature 230 - 260 °C
Holding pressure 200 - 500 bar
Mould temperature 10 - 30 °C
Injection speed As high as possible.

Minimum to avoid sink marks.

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

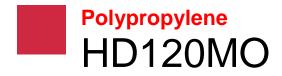
# **Storage**

**HD120MO** 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.

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#### 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

