

Polypropylene

FR1126MOB

Polypropylene Compound

Description

FR1126MOB is a polypropylene compound intended for injection moulding.

Special Features

stiffness at low density
thermal stability

impact resistance

Physical Properties

Values determined on standard injection moulded specimens conditioned at 23°C and 50% relative humidity after at least 96 hours storage time.

Property	Typical Value	Test Method
<small>Data should not be used for specification work</small>		
Density	915 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	12 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	1.200 MPa	ISO 178
Tensile Stress at Yield (50 mm/min)	27 MPa	ISO 527-2
Charpy Impact Strength, notched (23 °C)	8 kJ/m ²	ISO 179/1eA

Combustion Properties

Property	Typical Value	Test Method
<small>Data should not be used for specification work</small>		
Glow Wire Flammability Index at thickness 2 mm	850 °C	EN 60695-2-12

Processing Techniques

The actual conditions will depend on the type of equipment used.

FR1126MOB is easy to process with standard injection moulding machines. Following moulding parameters should be used as guidelines: To avoid residual humidity from transport or storage, the material should be pre-dried approximately 2h at 95° - 105°C.

Melt temperature	200 - 240 °C
Holding pressure	50-70% of injection pressure
Mould temperature	20 - 40 °C
Screw speed	Low to medium
Injection speed	Medium to high

Storage

FR1126MOB 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.

Safety

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.

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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.

Regional Availability

South America

For information on regional availability please contact Borealis Sales Representative.

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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