

Polypropylene

FR1125MOB

Polypropylene Compound

Description

FR1125MOB is a polypropylene compound intended for injection moulding.

Special Features

stiffness and impact balance
stiffness at low density

thermal stability

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
	Data should not be used for specification work	
Density	915 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	18 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	1.600 MPa	ISO 178
Flexural Strength	48 MPa	ISO 178
Tensile Strain at Yield (50 mm/min)	6 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	32 MPa	ISO 527-2

Combustion Properties

Property	Typical Value	Test Method
	Data should not be used for specification work	
UL Vertical Flame Test 3,2 mm	V-2	UL 94

Processing Techniques

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

FR1125MOB is easy to process with standard injection moulding machines. Following moulding parameters should be used as guidelines:

Drying	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

FR1125MOB 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.

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.

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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. Please contact your Borealis representative for more details on recycling.

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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