Polypropylene
HA507MO

Polypropylene Homopolymer for non-pressure pipes and extruded sheets

Description

HA507MO is a low melt flow rate polypropylene homopolymer intended for extrusion and compression moulding of sheets.

It is characterised by a good processability, a good long-term stability and a high stiffness. As all polypropylenes, it shows excellent stress resistance and a good resistance to chemicals.

Applications

HA507MO is especially recommended for extruded and compression moulded thick sheets for industrial applications and civil engineering.

Physical Properties

Property	Typical Value Data should not be used for specification work	Test Method
Density	908 kg/m3	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	0,8 g/10min	ISO 1133
Melt Flow Rate (230 °C/5,0 kg)	3,3 g/10min	ISO 1133
Melt Flow Rate (190 °C/5,0 kg)	1,4 g/10min	ISO 1133
Tensile Modulus (1 mm/min)	1.500 MPa	ISO 527-2
Tensile Strain at Yield (50 mm/min)	7 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	37 MPa	ISO 527-2
Heat Deflection Temperature (0,45 MPa)	136 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	6 kJ/m²	ISO 179/1eA
Hardness, Rockwell (R-scale)	100	ISO 2039-2

Processing Techniques

HA507MO is easy to extrude and can be processed in all machines suitable for normal PP extrusion.

Can be processed on all machines suitable for normal PP extrusion.

Barrel	190 - 230 °C
Die	180 - 230 °C
Melt temperature	180 - 230 °C

Storage

HA507MO 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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BOREALIS

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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.

Recovery and disposal of polyolefins
Information on emissions from processing and fires
"Safety data sheet" / "Product safety information sheet"
Statement on compliance to food contact regulations

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