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Refining & Chemicals
Polymers

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Polypropylene PPH 1060

Technical data sheet
Polypropylene – Homopolymer
Produced in Europe

Description

Polypropylene PPH 1060 is a homopolymer with a high molecular weight and a Melt Flow Index of 0.3 g/10 min.

Polypropylene PPH 1060 is specifically designed for the extrusion of mineral modified pipes. It is also suitable for the extrusion of sheets and other technical parts.

The resin has a high temperature stabilization package. It offers a very high stiffness and a high heat distortion temperature. Polypropylene PPH 1060 is available in natural color.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	0.3
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	33
Tensile Strain at Yield	ISO 527-2	%	9
Tensile modulus	ISO 527-2	MPa	1600
Flexural modulus	ISO 178	MPa	1500
Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m ²	7
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m ²	8
Thermal properties			
Melting Point	ISO 3146	°C	165
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			87
10N-50°C per hour			152
Heat Deflection Temperature	ISO 752	°C	
1.80 MPa - 120°C per hour			55
0.45 MPa - 120°C per hour			100
Other physical properties			
Density	ISO 1183	g/cm ³	0.905

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