

Description

Polypropylene PPH 3060 is homopolymer with a Melt Flow Index of 1.8 g/10 min.

Polypropylene PPH 3060 is characterized by a low fluidity for continuous extrusion of strapping, rope fibres and high tenacity tapes for bags.

It is also well designed for blow-molding or extrusion-thermoforming

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	1.8
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	35
Elongation at Yield	ISO 527-2	%	10
Tensile modulus	ISO 527-2	MPa	1400
Flexural modulus	ISO 178	MPa	1300
Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m ²	6
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m ²	7
Hardness Rockwell - R-scale	ISO 2039-2		90
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
Bulk Density	ISO 1183	g/cm ³	0.525