

Description

Polypropylene PPH 3051 is homopolymer polypropylene with a Melt Flow Index of 1.9 g/10 min.

Polypropylene PPH 3051 is intended for the extrusion of flat bioriented films for food packaging or high strength adhesive tapes.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	1.9
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	33
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			85
10N-50°C per hour			150
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