TOTAL

Refining & Chemicals
Polymers

Technical data sheet
Polypropylene – Homopolymer
Produced in Europe

Description

Polypropylene PPH 9099 is a narrow molecular weight distribution polypropylene homopolymer, with anti-gas fading stabilisation.

Polypropylene PPH 9099 is intended for the extrusion of fine fibres with the spunbond technology.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	27
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	30
Elongation at Yield	ISO 527-2	%	10
Tensile modulus	ISO 527-2	MPa	1300
Flexural modulus	ISO 178	MPa	1200
Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m²	3.5
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m²	4
Hardness Rockwell - R-scale	ISO 2039-2		92
Thermal properties			
Melting Point	ISO 3146	°C	165
Vicat Softening Point	ISO 306	°C	
50N-50°C per hour			80
10N-50°C per hour			148
Heat Deflection Temperature	ISO 752	°C	
1.80 MPa - 120°C per hour			52
0.45 MPa - 120°C per hour			95
Other physical properties			
Density	ISO 1183	g/cm³	0.905
Bulk Density	ISO 1183	g/cm³	0.525

Polypropylene