TOTAL

Refining & Chemicals
Polymers

Technical data sheet
Polypropylene – Homopolymer
Produced in Europe

Description

Polypropylene PPH 11012 is a nucleated controlled-rheology antistatic homopolymer with a high Melt Flow Index of 55 g/10 min.

Polypropylene PPH 11012 is characterized by high fluidity for high speed injection of thin wall articles such as dairy pots & tubs, salad trays, caps & closures and video cassette boxes.

Polypropylene PPH 11012 has a highly antistatic nature that allows for shorter cycle times and easy demoulding.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	55
Mechanical properties			
Tensile Strength at Yield	ISO 527-2	MPa	34
Elongation at Yield	ISO 527-2	%	9
Tensile modulus	ISO 527-2	MPa	1700
Flexural modulus	ISO 178	MPa	1600
Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m²	2.5
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m²	3
Hardness Rockwell - R-scale	ISO 2039-2		100
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			58
0.45 MPa - 120°C per hour			105
Other physical properties			
Density	ISO 1183	g/cm³	0.905
Bulk Density	ISO 1183	g/cm³	0.525

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