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Polymers

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# Polypropylene PPH 11012

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
<b>Rheological properties</b>			
Melt Flow Index 230°C/2.16 kg	ISO 1133	g/10 min	55
<b>Mechanical properties</b>			
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/m <sup>2</sup>	2.5
Charpy Impact Strength (notched) at 23°C	ISO 179	kJ/m <sup>2</sup>	3
Hardness Rockwell - R-scale	ISO 2039-2		100
<b>Thermal properties</b>			
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
<b>Other physical properties</b>			
Density	ISO 1183	g/cm <sup>3</sup>	0.905
Bulk Density	ISO 1183	g/cm <sup>3</sup>	0.525

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