

TOTAL Polypropylene PPH 11012

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

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.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Controlled Rheology		
	Fast Molding Cycle		
	Good Mold Release		
	High Flow		
	Nucleated		
Uses	Caps		
	Closures		
	Thin-walled Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Apparent Density	0.53	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	55	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1700	MPa	ISO 527-2
Tensile Stress (Yield)	34.0	MPa	ISO 527-2
Tensile Strain (Yield)	9.0	%	ISO 527-2
Flexural Modulus	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C)	2.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	105	°C	ISO 75-2/B
1.8 MPa, Unannealed	58.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	152	°C	ISO 306/A50
--	87.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146

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