

TOTAL Polypropylene PPH 10012

Polypropylene Homopolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPH 10012 is a nucleated and antistatic homopolymer polypropylene obtained by controlled rheology.
Polypropylene PPH 10012 is intended for high speed injection moulding of household articles, lightweight dairy tubs and goblets and ice cream boxes.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Controlled Rheology		
	Nucleated		
Uses	Household Goods		
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)	42	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	98		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2
Tensile Stress (Yield)	34.0	MPa	ISO 527-2
Tensile Strain (Yield)	9.0	%	ISO 527-2
Flexural Modulus	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C)	3.0	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	56.0	°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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