TOTAL Polypropylene PPC 12712

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPC 12712 is a nucleated and controlled-rheology heterophasic copolymer with a very high Melt Flow Index of 70 g/10 min.
Polypropylene PPC 12712 is characterized by good stiffness and impact resistance as well as low shrinkage and low warpage. It has been formulated for excellent antistatic properties.
Polypropylene PPC 12712 has been developed for high speed injection moulding of thin walled packaging containers and household articles.

General Information			
Additive	Antistatic Nucleating Agent		
Features	Antistatic Controlled Rheology Good Impact Resistance Good Stiffness High Flow Low Shrinkage Low Warpage Nucleated		
Uses	Household Goods Thin-walled Containers Thin-walled Packaging		
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/cm³	ISO 1183
Apparent Density	0.53	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	70	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	84		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1300	MPa	ISO 527-2
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2

Flexural Modulus	1200	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	4.0	kJ/m²	
23°C	8.0	kJ/m²	
Notched Izod Impact Strength			ISO 180
-20°C	3.5	kJ/m²	
23°C	7.0	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	100	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	140	°C	ISO 306/A50
--	70.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146

Recommended distributors for this material

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