TOTAL Polypropylene PPC 7712

Polypropylene Impact Copolymer

TOTAL Refining & Chemicals

Message:

Polypropylene PPC 7712 is heterophasic copolymer with a Melt Flow Index of 13 g/10 min combining good fluidity and mechanical properties.
Polypropylene PPC 7712 is characterized by excellent impact resistance and antistatic properties and has been formulated to allow faster cycling through early demoulding.
Polypropylene PPC 7712 has been developed specifically for the injection moulding of pipes, crates, pails and other heavy duty applications.

General Information			
Features	Antistatic property Impact resistance, good Fast molding cycle Good liquidity		
Uses	Piping system Barrel Loading box		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Forms	Particle		
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)	13	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	80		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1200	MPa	ISO 527-2
Tensile Stress (Yield)	23.0	MPa	ISO 527-2
Tensile Strain (Yield)	6.0	%	ISO 527-2
Flexural Modulus	1100	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	7.0	kJ/m²	ISO 179
23°C	40	kJ/m²	ISO 179
Notched Izod Impact			ISO 180
-20°C	6.0	kJ/m²	ISO 180

23°C	40	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	90.0	°C	ISO 75-2/B
1.8 MPa, not annealed	48.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	135	°C	ISO 306/A50
--	65.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146
Additional Information			

Notched Charpy Impact, ISO 179, 23°C: >40 kJ/m²Notched Izod Impact Strength, ISO 180, 23°C: >40 kJ/m²

Recommended distributors for this material

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