

Total PPC 5571 Polypropylene, Impact Copolymer Injection Molding

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

TOTAL Petrochemicals Polypropylene 5571 is a high impact copolymer with a Melt Flow index of 7 g/10 min. TOTAL Polypropylene 5571 is characterized by significantly improved impact resistance, while maintaining excellent antistatic properties and good processability. Total Polypropylene 5571 has been developed specifically for the injection molding of baskets, pails, toys and any articles requiring extra toughness. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPC-5571-Polypropylene-Impact-Copolymer-Injection-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.905 g/cc	0.905 g/cc	ASTM D1505
Melt Flow	7.0 g/10 min	7.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.0 MPa	3340 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus	1.18 GPa	171 ksi	ASTM D790
Izod Impact, Notched	0.700 J/cm	1.31 ft-lb/in	ASTM D256
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	1.88 J/cm	3.52 ft-lb/in	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	160 - 165 °C	320 - 329 °F	DSC
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	pressure unspecified; ASTM D648
Vicat Softening Point	148 °C	298 °F	ASTM D1525

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