

Total PPC 4524WZ Polypropylene, Impact Copolymer

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

Material Notes:

TOTAL Petrochemicals Polypropylene 4524WZ is a nucleated high impact copolymer with a Melt Flow index of 7 g/10 min. TOTAL Polypropylene 4524WZ is characterized by significantly improved impact resistance, while maintaining excellent antistatic properties and good processability. Total Polypropylene 4524WZ 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-4524WZ-Polypropylene-Impact-Copolymer.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	26.0 MPa	3770 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	TOTAL Method
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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