

Total PPC 4944CWZ Polypropylene, Impact Copolymer

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

Material Notes:

TOTAL Petrochemicals Polypropylene 4944CWZ is a nucleated and controlled rheology impact copolymer with a very high Melt Flow index of 50 g/10 min. TOTAL 4944CWZ is characterized by improved stiffness and impact resistance, as well as low shrinkage and low warpage. It has been formulated for excellent antistatic properties and mold release characteristics. Total Polypropylene 4944CWZ has been developed for high speed injection molding of thin-walled packaging containers and household articles. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPC-4944CWZ-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.905 g/cc	0.905 g/cc	ASTM D1505
Melt Flow	50 g/10 min	50 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.0 MPa	3630 psi	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Modulus	1.45 GPa	210 ksi	ASTM D790
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256

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	150 °C	302 °F	ASTM D1525

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