

Total PPC 4481WZ Polypropylene, Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Sheet/Thermoforming Grade

Material Notes:

TOTAL Petrochemicals Polypropylene 4481WZ is a nucleated impact copolymer with a Melt Flow index of 4.0 g/10 min. TOTAL Polypropylene 4481WZ is characterized by a good stiffness/impact balance coupled with high creep resistance. This grade has been developed for sheet extrusion and thermoforming applications requiring good mechanical properties and aesthetic appearance. Total Polypropylene 4481WZ has been specially formulated with an additive for excellent antistatic properties as well as good surface appearance and mold release. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPC-4481WZ-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.905 g/cc	0.905 g/cc	ASTM D1505
Melt Flow	4.0 g/10 min	4.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.0 MPa	4930 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus	1.65 GPa	239 ksi	ASTM D790
Izod Impact, Notched	1.39 J/cm	2.60 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	160 - 165 °C	320 - 329 °F	DSC
Deflection Temperature at 0.46 MPa (66 psi)	115 °C	239 °F	pressure unspecified; ASTM D648

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