

IRPC Polimaxx Polene 231 1LCX TA6 Polypropylene Compound

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

CHARACTERISTICS: POLYPROPYLENE BLOCK COPOLYMER WITH 30% TALCUM REINFORCED, HIGH IMPACT STRENGTH
 APPLICATIONS: INJECTION MOLDING FOR AUTOPARTS, ELECTRICAL APPLIANCES

Order this product through the following link:

http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Polene-231 1LCX-TA6-Polypropylene-Compound.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ASTM D792
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 230 °C	6.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	93	93	ASTM D785
Tensile Strength, Yield	28.4 MPa	4120 psi	ASTM D638
Elongation at Break	16 %	16 %	ASTM D638
Flexural Yield Strength	43.1 MPa	6260 psi	ASTM D790
Flexural Modulus	3.90 GPa	566 ksi	ASTM D790
Izod Impact, Notched	0.461 J/cm @Temperature 23.0 °C	0.863 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	143 °C	289 °F	ASTM D648

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