

IRPC Polimaxx Polene 231 1LCX GA4 Polypropylene Compound

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

CHARACTERISTICS: POLYPROPYLENE BLOCK COPOLYMER WITH 20% GLASS FIBRE REINFORCED, HIGH IMPACT STRENGTH, HIGH MECHANICAL STRENGTH, HIGH STIFFNESS, LOW SHRINKAGE APPLICATIONS: INJECTION MOLDING FOR AUTOPARTS, ELECTRICAL APPLIANCES

Order this product through the following link:

http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Polene-231 1LCX-GA4-Polypropylene-Compound.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 230 °C	3.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	97	97	ASTM D785
Tensile Strength, Yield	49.0 MPa	7110 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	58.8 MPa	8530 psi	ASTM D790
Flexural Modulus	4.70 GPa	682 ksi	ASTM D790
Izod Impact, Notched	0.647 J/cm @Temperature 23.0 °C	1.21 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	158 °C	316 °F	ASTM D648

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