

IRPC Polimaxx Polene 1111NX BA4 Polypropylene Compound

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

CHARACTERISTICS: POLYPROPYLENE HOMOPOLYMER WITH 20% BARIUM SULPHATE REINFORCED HIGH GLOSS APPLICATIONS:
INJECTION MOLDING FOR ELECTRICAL APPLIANCES

Order this product through the following link:

http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Polene-1111NX-BA4-Polypropylene-Compound.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ASTM D792
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	33.8 MPa	4900 psi	ASTM D638
Elongation at Break	30 %	30 %	ASTM D638
Flexural Yield Strength	43.1 MPa	6260 psi	ASTM D790
Flexural Modulus	2.00 GPa	290 ksi	ASTM D790
Izod Impact, Notched	0.304 J/cm @Temperature 23.0 °C	0.569 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	ASTM D648

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