

## IRPC Polimaxx Polene 1111NX GA6 Polypropylene Compound

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

CHARACTERISTICS: POLYPROPYLENE HOMOPOLYMER WITH 30% GLASS FIBRE REINFORCED HIGH IMPACT STRENGTH, HIGH MECHANICAL STRENGTH, HIGH STIFFNESS LOW SHRINKAGEAPPLICATIONS: INJECTION MOLDING FOR AUTOPARTS, ELECTRICAL APPLIANCES

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_IRPC-Polimaxx-Polene-1111NX-GA6-Polypropylene-Compound.php](http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Polene-1111NX-GA6-Polypropylene-Compound.php)

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in <sup>3</sup>	ASTM D792
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 °C	4.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	106	106	ASTM D785
Tensile Strength, Yield	66.7 MPa	9670 psi	ASTM D638
Elongation at Break	2.5 %	2.5 %	ASTM D638
Flexural Yield Strength	82.4 MPa	11900 psi	ASTM D790
Flexural Modulus	8.50 GPa	1230 ksi	ASTM D790
Izod Impact, Notched	0.539 J/cm @Temperature 23.0 °C	1.01 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	161 °C	322 °F	ASTM D648

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