

## IRPC Polimaxx Polene 2511HX GA5 Polypropylene Compound

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

CHARACTERISTICS: POLYPROPYLENE BLOCK COPOLYMER WITH 25% GLASS FIBRE REINFORCED VERY HIGH IMPACT STRENGTH, HIGH MECHANICAL STRENGTH, LOW SHRINKAGE, HIGH STIFFNESS, CONTAIN UV STABILIZER AND LONG TERM HEAT AGING

ADDITIVESAPPLICATIONS: INJECTION MOLDING, EXTRUSION FOR AUTOPARTS, ELECTRICAL APPLIANCES

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_IRPC-Polimaxx-Polene-2511HX-GA5-Polypropylene-Compound.php](http://www.lookpolymers.com/polymer_IRPC-Polimaxx-Polene-2511HX-GA5-Polypropylene-Compound.php)

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in <sup>3</sup>	ASTM D792
Melt Flow	1.1 g/10 min @Load 2.16 kg, Temperature 230 °C	1.1 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	96	96	ASTM D785
Tensile Strength, Yield	63.3 MPa	9180 psi	ASTM D638
Elongation at Break	7.0 %	7.0 %	ASTM D638
Flexural Yield Strength	72.6 MPa	10500 psi	ASTM D790
Flexural Modulus	4.90 GPa	711 ksi	ASTM D790
Izod Impact, Notched	2.01 J/cm @Temperature 23.0 °C	3.77 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	159 °C	318 °F	ASTM D648

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