

Multibase Nylex™ 1230 Polyamide + PP

Category : Polymer , Thermoplastic , Nylon , Polypropylene (PP)

Material Notes:

Forms: Pellets Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Nylex-1230-Polyamide-PP.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	ASTM 792
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955
Melt Flow	0.50 g/10 min @Load 2.16 kg, Temperature 230 °C	0.50 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	20.7 MPa	3000 psi	ASTM D638
Elongation at Break	160 %	160 %	ASTM D638
Flexural Strength	20.7 MPa	3000 psi	ASTM D790
Flexural Modulus	0.862 GPa	125 ksi	Method I (3 point load), Procedure B); ASTM D790
Izod Impact, Notched	8.01 J/cm	15.0 ft-lb/in	ASTM D256
Gardner Impact	36.16 J	26.67 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 °C	176 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	Unannealed; ASTM D648
Vicat Softening Point	153 °C	307 °F	ASTM D1525
Flammability, UL94	HB	HB	

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