

Multibase Nylex™ 4032 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-4032-Polyamide-PP.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM 792
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955
Melt Flow	1.5 g/10 min @Load 2.16 kg, Temperature 230 °C	1.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	48.3 MPa	7000 psi	ASTM D638
Elongation at Break	20 %	20 %	ASTM D638
Flexural Strength	62.1 MPa	9000 psi	ASTM D790
Flexural Modulus	3.45 GPa	500 ksi	Method I (3 point load), Procedure B); ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	73°F; ASTM D256
Gardner Impact	2.825 J	2.083 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	150 °C	302 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	136 °C	277 °F	Unannealed; ASTM D648
Vicat Softening Point	175 °C	347 °F	ASTM D1525
Flammability, UL94	HB	HB	

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