

Multibase Nylex™ 2185 FR V0 Polyamide + PP

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

Material Notes:

Features: Crack Resistance, Good Dimensional Stability, Good Impact Resistance, Good Moisture Resistant Processability, Good Flame Retardant Forms: Pellets Processing Methods: Injection Molding Uses: Electrical Parts Housing, Electrical Safety Equipment Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Nylex-2185-FR-V0-Polyamide-PP.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM 792
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	ASTM D955
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 230 °C	1.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	42.7 MPa	6200 psi	ASTM D638
Elongation at Break	40 %	40 %	ASTM D638
Flexural Strength	42.7 MPa	6200 psi	ASTM D790
Flexural Modulus	1.52 GPa	220 ksi	Method I (3 point load), Procedure B); ASTM D790
Izod Impact, Notched	0.667 J/cm	1.25 ft-lb/in	ASTM D256
Gardner Impact	14.12 J	10.42 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.9 °C	201 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	52.8 °C	127 °F	Unannealed; ASTM D648
Vicat Softening Point	166 °C	331 °F	ASTM D1525
Flammability, UL94	V-0	V-0	

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