

Multibase Nylex™ 2185 HF Polyamide + PP

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

Material Notes:

Forms: Pellets Processing Methods: Injection Molding Information provided by Multibase

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 g/cc	0.970 g/cc	ASTM 792
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	ASTM D955
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 230 °C	6.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	29.3 MPa	4250 psi	ASTM D638
Elongation at Break	26 %	26 %	ASTM D638
Flexural Strength	36.5 MPa	5300 psi	ASTM D790
Flexural Modulus	1.49 GPa	216 ksi	Method I (3 point load), Procedure B); ASTM D790
Izod Impact, Notched	1.44 J/cm	2.70 ft-lb/in	ASTM D256
Gardner Impact	33.90 J	25.00 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	97.2 °C	207 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	53.9 °C	129 °F	Unannealed; ASTM D648
Vicat Softening Point	156 °C	313 °F	ASTM D1525
Flammability, UL94	HB	HB	

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