

Multibase Nylex™ 2185 CR Polyamide + PP

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

Material Notes:

Forms: Pellets Features: Chemical Resistance, Good Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Nylex-2185-CR-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	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	42.1 MPa	6100 psi	ASTM D638
Elongation at Break	80 %	80 %	ASTM D638
Flexural Strength	49.6 MPa	7200 psi	ASTM D790
Flexural Modulus	1.48 GPa	215 ksi	Method I (3 point load), Procedure B); ASTM D790
Izod Impact, Notched	0.587 J/cm	1.10 ft-lb/in	ASTM D256
Gardner Impact	2.260 J	1.667 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	135 °C	275 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	66.1 °C	151 °F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

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