

## Multibase Nylex™ 2185 FR 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-Polyamide-PP.php](http://www.lookpolymers.com/polymer_Multibase-Nylex-2185-FR-Polyamide-PP.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 g/cc	1.01 g/cc	ASTM 792
Water Absorption	0.65 %	0.65 %	ASTM D570
Linear Mold Shrinkage	0.012 cm/cm	0.012 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	35.2 MPa	5100 psi	ASTM D638
Elongation at Break	40 %	40 %	ASTM D638
Flexural Strength	38.6 MPa	5600 psi	ASTM D790
Flexural Modulus	1.23 GPa	179 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.641 J/cm	1.20 ft-lb/in	73°F; ASTM D256
Gardner Impact	1.1298 J	0.83333 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	212 °C	414 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	106 °C	223 °F	Unannealed; ASTM D648
Flammability, UL94	V-2	V-2	0.125 in

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	205 °C	401 °F	

Middle Barrel Temperature Processing Properties	208 °C Metric	406 °F English	Comments
Front Barrel Temperature	213 °C	415 °F	
Nozzle Temperature	213 °C	415 °F	
Mold Temperature	13.0 - 47.8 °C	55.4 - 118 °F	
Injection Pressure	2.41 - 8.27 MPa	350 - 1200 psi	
Back Pressure	0.345 - 1.03 MPa	50.0 - 150 psi	

Descriptive Properties	Value	Comments
Injection Rate	Moderate-Fast	

## Contact Songhan Plastic Technology Co.,Ltd.

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