

## Multibase Nylex™ 2185 NAT Polyamide + PP

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

### Material Notes:

Features: Crack Resistance, Good Dimensional Stability, Good Impact Resistance, Good Moisture Resistant Processability,  
Good 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-NAT-Polyamide-PP.php](http://www.lookpolymers.com/polymer_Multibase-Nylex-2185-NAT-Polyamide-PP.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 g/cc	0.970 g/cc	ASTM 792
Water Absorption	0.65 %	0.65 %	ASTM D570
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	ASTM D955
Melt Flow	1.4 g/10 min	1.4 g/10 min	Cond. Q; ASTM D1238
	4.7 g/10 min	4.7 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	40.1 MPa	5820 psi	ASTM D638
Elongation at Break	95 %	95 %	ASTM D638
Flexural Strength	47.5 MPa	6890 psi	ASTM D790
Flexural Modulus	1.43 GPa	207 ksi	Tangent; ASTM D790
Izod Impact, Notched	0.908 J/cm	1.70 ft-lb/in	73°F; ASTM D256
Gardner Impact	11.298 J	8.3333 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	275 °C	527 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	150 °C	302 °F	Unannealed; ASTM D648

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.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China