

LTL Color Compounds ColorFast® NY1 Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Injection molding nylon 6, with or without lube All information provided by LTL Color Compounders, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LTL-Color-Compounds-ColorFast-NY1-Nylon-6.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
Water Absorption	1.7 %	1.7 %	@ 24 Hours; ASTM D570
Linear Mold Shrinkage	0.0015 - 0.0020 cm/cm	0.0015 - 0.0020 in/in	0.125; ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	79.3 MPa	11500 psi	2.0 in/min; ASTM D638
Elongation at Break	70 %	70 %	2.0 in/min; ASTM D638
Elongation at Yield	15 %	15 %	2.0 in/min; ASTM D638
Flexural Strength	118 MPa	17100 psi	2.0 in/min; ASTM D790
Flexural Modulus	2.78 GPa	403 ksi	2.0 in/min; ASTM D790
Izod Impact, Notched	0.534 J/cm @Temperature 22.8 °C	1.00 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	68.3 °C	155 °F	Unannealed (0.250"); ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	260 - 293 °C	500 - 560 °F	
Middle Barrel Temperature	266 - 293 °C	510 - 560 °F	
Front Barrel Temperature	266 - 293 °C	510 - 560 °F	
Nozzle Temperature	260 - 288 °C	500 - 550 °F	
Melt Temperature	279 - 304 °C	535 - 580 °F	

Mold Temperature Processing Properties	37.8 - 93.3 °C Metric	100 - 200 °F English	Comments
Drying Temperature	79.4 °C	175 °F	
Dry Time	2 - 4 hour	2 - 4 hour	nominal; maximum drying time of 8 hours
Back Pressure	0.345 - 0.689 MPa	50.0 - 100 psi	
Shot Size	30 - 60 %	30 - 60 %	
Vent Depth	0.00381 - 0.00762 cm	0.00150 - 0.00300 in	
Screw Speed	60 - 120 rpm	60 - 120 rpm	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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