

LTL Color Compounds ColorFast® NY2115 Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Super tough nylon 6,6 with excellent chemical resistance and ductility All information provided by LTL Color Compounders, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LTL-Color-Compounds-ColorFast-NY2115-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Water Absorption	1.3 %	1.3 %	@ 24 Hours; ASTM D570
Linear Mold Shrinkage	0.0015 - 0.0020 cm/cm	0.0015 - 0.0020 in/in	0.125; ASTM D955
Melt Flow	30 g/10 min @Load 5.00 kg, Temperature 276 Â°C	30 g/10 min @Load 11.0 lb, Temperature 529 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	ASTM D785
Tensile Strength at Break	46.9 MPa	6800 psi	2.0 in/min; ASTM D638
Tensile Strength, Yield	52.4 MPa	7600 psi	2.0 in/min; ASTM D638
Elongation at Break	70 %	70 %	2.0 in/min; ASTM D638
Elongation at Yield	18 %	18 %	2.0 in/min; ASTM D638
Flexural Strength	72.4 MPa	10500 psi	2.0 in/min; ASTM D790
Flexural Modulus	2.00 GPa	290 ksi	2.0 in/min; ASTM D790
Izod Impact, Notched	8.54 J/cm @Temperature 22.8 Â°C	16.0 ft-lb/in @Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	71.1 Â°C	160 Â°F	Unannealed (0.250"); ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	249 - 282 Â°C	480 - 540 Â°F	
Middle Barrel Temperature	254 - 282 Â°C	490 - 540 Â°F	

Processing Properties	Metric	English	Comments
Nozzle Temperature	249 - 277 Â°C	480 - 530 Â°F	
Melt Temperature	268 - 293 Â°C	515 - 560 Â°F	
Mold Temperature	37.8 - 93.3 Â°C	100 - 200 Â°F	
Drying Temperature	79.4 Â°C	175 Â°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	

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