

LTL Color Compounds ColorFast® NYA1000 Nylon/ABS Alloy

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS)/Nylon Blend , Nylon

Material Notes:

Nylon/ABS alloy with high ductility and excellent chemical resistance All information provided by LTL Color Compounds, Inc.

Order this product through the following link:


http://www.lookpolymers.com/polymer_LTL-Color-Compounds-ColorFast-NYA1000-NylonABS-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D792
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	0.125; ASTM D955
Melt Flow	9.0 g/10 min @Load 3.80 kg, Temperature 260 Â°C	9.0 g/10 min @Load 8.38 lb, Temperature 500 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	41.4 MPa	6000 psi	2.0 in/min; ASTM D638
Elongation at Break	200 %	200 %	2.0 in/min; ASTM D638
Flexural Strength	59.3 MPa	8600 psi	2.0 in/min; ASTM D790
Flexural Modulus	1.17 GPa	170 ksi	2.0 in/min; ASTM D790
Izod Impact, Notched	6.41 J/cm @Temperature 22.8 Â°C	12.0 ft-lb/in @Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	65.6 Â°C	150 Â°F	Unannealed (0.250"); ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	204 - 238 Â°C	400 - 460 Â°F	
Middle Barrel Temperature	210 - 232 Â°C	410 - 450 Â°F	
Front Barrel Temperature	221 - 254 Â°C	430 - 490 Â°F	
Nozzle Temperature	216 - 249 Â°C	420 - 480 Â°F	
Melt Temperature	221 - 254 Â°C	430 - 490 Â°F	
Mold Temperature	10.0 - 71.1 Â°C	50.0 - 160 Â°F	

Processing Properties	Metric 	English	Comments
Dry Time	3 - 4 hour	3 - 4 hour	nominal; maximum drying time of 8 hours
Back Pressure	0.345 - 0.689 MPa	50.0 - 100 psi	
Shot Size	40 - 60 %	40 - 60 %	
Vent Depth	0.00254 - 0.00762 cm	0.00100 - 0.00300 in	
Screw Speed	40 - 70 rpm	40 - 70 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