

Styrolution Terblend® N NG-04 20% Glass Filled ABS/PA6 (Conditioned)

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

Material Notes:

Terblend N NG-04 is a glass fibre reinforced ABS/PA6 blend with excellent dimensional stability, low mold shrinkage and high heat resistance. Information provided by STYROLUTION, which is a joint venture between BASF and INEOS.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styrolution-Terblend-N-NG-04-20-Glass-Filled-ABSPA6-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	dry; ISO 1183
Moisture Absorption at Equilibrium	1.1 %	1.1 %	beginning dry (23°C/50% R.H.); ISO 62
Melt Flow	11 g/10 min @Load 10.0 kg, Temperature 240 °C	11 g/10 min @Load 22.0 lb, Temperature 464 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	52.0 MPa	7540 psi	0.2 in/min; ASTM Test
Tensile Strength, Ultimate	60.0 MPa	8700 psi	5mm/min; ISO 527
Tensile Strength, Yield	54.0 MPa	7830 psi	2 in/min; ASTM Test
Elongation at Break	3.5 %	3.5 %	5mm/min; ISO 527
	5.0 %	5.0 %	0.2 in/min; ASTM Test
Tensile Modulus	3.59 GPa	521 ksi	ASTM Test
	4.10 GPa	595 ksi	1mm/min; ISO 527

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+11 ohm-cm	>= 1.00e+11 ohm-cm	IEC 60093
Surface Resistance	>= 1.00e+14 ohm	>= 1.00e+14 ohm	IEC 60093
Dielectric Constant	3.6 @Frequency 100 Hz	3.6 @Frequency 100 Hz	IEC 60250
	5.0 @Frequency 1.00e+6 Hz	5.0 @Frequency 1.00e+6 Hz	IEC 60250
	0.050	0.050	

Electrical Properties	Metric @ Frequency 1.00e+6	English @ Frequency 1.00e+6	Comments IEC 60250
	Hz	Hz	
Comparative Tracking Index	550 V	550 V	IEC 60112

Processing Properties	Metric	English	Comments
Melt Temperature	265 Å°C	509 Å°F	Injection molding
Injection Velocity	65.0 mm/sec	2.56 in/sec	Injection molding

Descriptive Properties	Value	Comments
Commercial Status	Active America	
Primary Processing Technique	Injection Molding	
UL.UL-C	Yes	

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