

Styrolution Terblend® N NG-06 30% Glass Filled ABS/PA6 (Conditioned)

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

Material Notes:

Terblend N NG-06 is a 30% glass fiber reinforced ABS/PA6 blend with extra high rigidity and dimensional stability. 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-06-30-Glass-Filled-ABSPA6-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	dry; ISO 1183
Water Absorption	3.4 %	3.4 %	beginning dry; ISO 62
Moisture Absorption at Equilibrium	1.0 %	1.0 %	beginning dry (23 ^o C/50% R.H.); ISO 62
Melt Flow	6.0 g/10 min @Load 10.0 kg, Temperature 240 ^o C	6.0 g/10 min @Load 22.0 lb, Temperature 464 ^o F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	85.0 MPa	12300 psi	5mm/min; ISO 527
Elongation at Break	3.5 %	3.5 %	5mm/min; ISO 527
Tensile Modulus	6.50 GPa	943 ksi	1mm/min; ISO 527
Flexural Strength	105 MPa	15200 psi	ISO Data
Flexural Modulus	5.50 GPa	798 ksi	ISO Data

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 1.00e+6 Hz	3.6 @Frequency 1.00e+6 Hz	IEC 60250
Dissipation Factor	0.050 @Frequency 1.00e+6 Hz	0.050 @Frequency 1.00e+6 Hz	IEC 60250

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
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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