

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

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-Dry.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ISO 1183
Water Absorption	3.4 %	3.4 %	ISO 62
Moisture Absorption at Equilibrium	1.0 %	1.0 %	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	105 MPa	15200 psi	5mm/min; ISO 527
Elongation at Break	3.0 %	3.0 %	5mm/min; ISO 527
Tensile Modulus	7.50 GPa	1090 ksi	1mm/min; ISO 527
Flexural Strength	130 MPa	18900 psi	ISO Data
Flexural Modulus	6.50 GPa	943 ksi	ISO Data
Izod Impact, Notched (ISO)	12.0 kJ/m ²	5.71 ft-lb/in ²	ISO Test
Charpy Impact Unnotched	5.00 J/cm ²	23.8 ft-lb/in ²	ISO 179
	4.50 J/cm ² @Temperature -30.0 ^o C	21.4 ft-lb/in ² @Temperature -22.0 ^o F	ISO 179
Charpy Impact, Notched	1.40 J/cm ²	6.66 ft-lb/in ²	ISO 179
	0.700 J/cm ² @Temperature -30.0 ^o C	3.33 ft-lb/in ² @Temperature -22.0 ^o F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa	188 ^o C	370 ^o F	ISO 75

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	107 Â°C	225 Â°F	ISO 75
Vicat Softening Point	120 Â°C	248 Â°F	(50 Â°C/h / 50N) - B/50; ISO 306
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+13 ohm-cm	>= 1.00e+13 ohm-cm	IEC 60093
Dielectric Constant	2.9	2.9	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	0.013	0.013	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

Processing Properties	Metric	English	Comments
Melt Temperature	265 Â°C	509 Â°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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