

## Styrolution Terblend® N NG-02 8% Glass Filled ABS/PA6 (Conditioned)

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

### Material Notes:

Terblend N NG-02 is a glass fibre reinforced ABS/PA6 blend with excellent dimensional stability, high impact strength and good surface appearance. 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-02-8-Glass-Filled-ABSPA6-Conditioned.php](http://www.lookpolymers.com/polymer_Styrolution-Terblend-N-NG-02-8-Glass-Filled-ABSPA6-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in <sup>3</sup>	dry; ISO 1183
Moisture Absorption at Equilibrium	1.3 %	1.3 %	beginning dry (23°C/50% R.H.); ISO 62
Melt Flow	14 g/10 min @Load 10.0 kg, Temperature 240 °C	14 g/10 min @Load 22.0 lb, Temperature 464 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	31.0 MPa	4500 psi	0.2 in/min; ASTM Test
Tensile Strength, Ultimate	48.0 MPa	6960 psi	5mm/min; ISO 527
Tensile Strength, Yield	39.0 MPa	5660 psi	2 in/min; ASTM Test
Elongation at Break	4.0 %	4.0 %	5mm/min; ISO 527
	8.0 %	8.0 %	0.2 in/min; ASTM Test
Tensile Modulus	2.21 GPa	321 ksi	ASTM Test
	2.40 GPa	348 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
	3.6 @Frequency 1.00e+6 Hz	3.6 @Frequency 1.00e+6 Hz	IEC 60250
Dielectric Strength	36.0 kV/mm	914 kV/in	IEC 60243-1

Electrical Properties	Metric	English	Comments
Dissipation Factor	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	IEC 60250
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	

## Contact Songhan Plastic Technology Co.,Ltd.

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