

## Styrolution Terblend® N NG-02 UV ABS / PA, 8% Glass filled

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

### Material Notes:

Terblend N NG-02 UV is an 8% glass fiber reinforced (UV stabilized) ABS/PA blend with enhanced dimensional stability and rigidity. High dimensional stability Enhanced rigidity Enhanced softening temperature Glass fiber reinforced (8%) Information provided by Styrolution

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Styrolution-Terblend-N-NG-02-UV-ABS-PA-8-Glass-filled.php](http://www.lookpolymers.com/polymer_Styrolution-Terblend-N-NG-02-UV-ABS-PA-8-Glass-filled.php)

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption at Equilibrium	1.1 % @Temperature 23.0 Â°C	1.1 % @Temperature 73.4 Â°F	50% RH; ISO 62
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	ISO 294-4
Melt Flow	30 g/10 min @Load 10.0 kg, Temperature 240 Â°C	30 g/10 min @Load 22.0 lb, Temperature 464 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	95.0 MPa	13800 psi	ISO 2039-1
Tensile Strength, Yield	55.0 MPa	7980 psi	ISO 527
Elongation at Break	4.0 %	4.0 %	ISO 527
Elongation at Yield	3.0 %	3.0 %	ISO 527
Tensile Modulus	3.30 GPa	479 ksi	ISO 527
Flexural Strength	80.0 MPa	11600 psi	ISO 178
Flexural Modulus	2.85 GPa	413 ksi	ISO 178
Izod Impact, Notched (ISO)	3.00 kJ/m <sup>2</sup> @Temperature -30.0 Â°C	1.43 ft-lb/in <sup>2</sup> @Temperature -22.0 Â°F	ISO 180/A
	6.00 kJ/m <sup>2</sup> @Temperature 23.0 Â°C	2.86 ft-lb/in <sup>2</sup> @Temperature 73.4 Â°F	ISO 180/A
Charpy Impact Unnotched	2.50 J/cm <sup>2</sup> @Temperature -30.0	11.9 ft-lb/in <sup>2</sup> @Temperature -22.0	ISO 179

Mechanical Properties	°C Metric	°F English	Comments
	3.50 J/cm <sup>2</sup> @Temperature 23.0 °C	16.7 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179
Charpy Impact, Notched	0.300 J/cm <sup>2</sup> @Temperature -30.0 °C	1.43 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179
	0.800 J/cm <sup>2</sup> @Temperature 23.0 °C	3.81 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
CTE, linear	60.0 µm/m-°C	33.3 µin/in-°F	ISO 11359
Deflection Temperature at 0.46 MPa (66 psi)	105 °C	221 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	ISO 75
Vicat Softening Point	108 °C @Load 5.10 kg	226 °F @Load 11.2 lb	50 °C/h; ISO 306
	170 °C @Load 1.02 kg	338 °F @Load 2.25 lb	50 °C/h; ISO 306

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	IEC 60093
Surface Resistance	>= 1.00e+14 ohm	>= 1.00e+14 ohm	IEC 60093
Dielectric Constant	2.9 @Frequency 1.00e+6 Hz	2.9 @Frequency 1.00e+6 Hz	IEC 60250
Dissipation Factor	0.013 @Frequency 1.00e+6 Hz	0.013 @Frequency 1.00e+6 Hz	IEC 60250

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 270 °C	464 - 518 °F	ISO 294
Mold Temperature	40.0 - 80.0 °C	104 - 176 °F	ISO 294

## **Contact Songhan Plastic Technology Co.,Ltd.**

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