

## Styrolution Terblend® N NMX04 ABS/PA6 (Dry)

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

### Material Notes:

Terblend N NMX04 is an ABS/PA6 blend specially developed for painted exterior applications, combining impact resistance with excellent processability and paintability. 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-NMX04-ABSPA6-Dry.php](http://www.lookpolymers.com/polymer_Styrolution-Terblend-N-NMX04-ABSPA6-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption at Equilibrium	1.4 %	1.4 %	23 <sup>o</sup> C/50% R.H.; ISO 62
Melt Flow	14 g/10 min @Load 10.0 kg, Temperature 240 <sup>o</sup> C	14 g/10 min @Load 22.0 lb, Temperature 464 <sup>o</sup> F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	0.2 in/min; ASTM Test
Tensile Strength, Yield	40.0 MPa	5800 psi	50mm/min; ISO 527
	44.0 MPa	6380 psi	2 in/min; ASTM Test
Elongation at Break	>= 50 %	>= 50 %	50mm/min, Nominal strain; ISO 527
	>= 50 %	>= 50 %	0.2 in/min; ASTM Test
Elongation at Yield	3.5 %	3.5 %	50mm/min; ISO 527
Tensile Modulus	1.93 GPa	280 ksi	ASTM Test
	2.00 GPa	290 ksi	1mm/min; ISO 527
Flexural Strength	60.0 MPa	8700 psi	ISO Data
Flexural Modulus	1.80 GPa	261 ksi	ISO Data
Izod Impact, Notched (ISO)	65.0 kJ/m <sup>2</sup>	30.9 ft-lb/in <sup>2</sup>	ISO Test
Charpy Impact Unnotched	NB	NB	ISO 179
	NB	NB	ISO 179
	@Temperature -30.0 <sup>o</sup> C	@Temperature -22.0 <sup>o</sup> F	ISO 179
Charpy Impact, Notched	7.00 J/cm <sup>2</sup>	33.3 ft-lb/in <sup>2</sup>	ISO 179

Mechanical Properties	Metric	English	Comments
	2.00 J/cm <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	ISO 178
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	100 Âµm/m-Â°C	55.6 Âµin/in-Â°F	ISO 11359
Deflection Temperature at 0.46 MPa (66 psi)	97.0 Â°C	207 Â°F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	67.2 Â°C	153 Â°F	ASTM Test
	72.0 Â°C	162 Â°F	ISO 75
Vicat Softening Point	105 Â°C	221 Â°F	(50 Â°C/h / 50N) - B/50; ISO 306
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	
	@Thickness 3.20 mm	@Thickness 0.126 in	

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	
	3.3	3.3	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	41.0 kV/mm	1040 kV/in	IEC 60243-1
Dissipation Factor	0.015	0.015	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Comparative Tracking Index	600 V	600 V	IEC 60112

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
------------------------	-------	----------

Descriptive Properties	Value <b>America and Europe</b>	Comments
Primary Processing Technique	Injection Molding	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China