

Styrolution Terblend® N 3158 ASA / PA, 9% Mineral filled

Category : Polymer , Thermoplastic , ASA Polymer , Nylon

Material Notes:

Terblend® N 3158 is an 9% mineral-filled ABS/PA blend with good dimensional stability, enhanced rigidity and excellent heat resistance, so that this grade can be applied for online-painting. High dimensional stability High rigidity Excellent heat resistance for online-painting Mineral filled (9%) Information provided by Styrolution

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styrolution-Terblend-N-3158-ASA-PA-9-Mineral-filled.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	1.3 % @Temperature 23.0 °C	1.3 % @Temperature 73.4 °F	50% RH; ISO 62
Linear Mold Shrinkage	0.011 - 0.014 cm/cm	0.011 - 0.014 in/in	ISO 294-4
Melt Flow	10 g/10 min @Load 10.0 kg, Temperature 280 °C	10 g/10 min @Load 22.0 lb, Temperature 536 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	ISO 527
Elongation at Break	10 %	10 %	ISO 527
Elongation at Yield	3.0 %	3.0 %	ISO 527
Tensile Modulus	2.90 GPa	421 ksi	ISO 527
Flexural Strength	88.0 MPa	12800 psi	ISO 178
Flexural Modulus	3.00 GPa	435 ksi	ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m ² @Temperature -30.0 °C	3.81 ft-lb/in ² @Temperature -22.0 °F	ISO 180/A
	10.0 kJ/m ² @Temperature 23.0 °C	4.76 ft-lb/in ² @Temperature 73.4 °F	ISO 180/A
Charpy Impact Unnotched	16.0 J/cm ²	76.1 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	44.4 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359
Deflection Temperature at 0.46 MPa (66 psi)	132 $\text{Å}^\circ\text{C}$	270 $\text{Å}^\circ\text{F}$	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	92.0 $\text{Å}^\circ\text{C}$	198 $\text{Å}^\circ\text{F}$	ISO 75
Vicat Softening Point	160 $\text{Å}^\circ\text{C}$	320 $\text{Å}^\circ\text{F}$	50 $\text{Å}^\circ\text{C}/\text{h}$; ISO 306
	@Load 5.10 kg	@Load 11.2 lb	
	245 $\text{Å}^\circ\text{C}$	473 $\text{Å}^\circ\text{F}$	50 $\text{Å}^\circ\text{C}/\text{h}$; ISO 306
	@Load 1.02 kg	@Load 2.25 lb	

Electrical Properties	Metric	English	Comments
Volume Resistivity	$\geq 1.00\text{e}+15$ ohm-cm	$\geq 1.00\text{e}+15$ ohm-cm	IEC 60093
Surface Resistance	$\geq 1.00\text{e}+15$ ohm	$\geq 1.00\text{e}+15$ ohm	IEC 60093
Dissipation Factor	0.0075	0.0075	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
	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	270 - 290 $\text{Å}^\circ\text{C}$	518 - 554 $\text{Å}^\circ\text{F}$	ISO 294
Mold Temperature	80.0 $\text{Å}^\circ\text{C}$	176 $\text{Å}^\circ\text{F}$	ISO 294
Injection Velocity	40.0 mm/sec	1.57 in/sec	ISO 294
Drying Temperature	80.0 $\text{Å}^\circ\text{C}$	176 $\text{Å}^\circ\text{F}$	
	@Time 7200 - 14400 sec	@Time 2.00 - 4.00 hour	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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