Styrolution TerblendÂ® N NM-12 ABS/PA6 (Conditioned)

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

Material Notes:

Terblend N NM-12 is an ABS/PA6 blend combining high impact strength and rigidity with an excellent processability and 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-NM-12-ABSPA6-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/inÂ³	dry; ISO 1183
Moisture Absorption at Equilibrium	1.4 %	1.4 %	beginning dry (23Â°C/50% R.H.); ISO 62
Melt Flow	23 g/10 min @Load 10.0 kg, Temperature 240 Â°C	23 g/10 min @Load 22.0 lb, Temperature 464 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	33.0 MPa	4790 psi	0.2 in/min; ASTM Test
Tensile Strength, Yield	36.0 MPa	5220 psi	2 in/min; ASTM Test
	45.0 MPa	6530 psi	50mm/min; ISO 527
Elongation at Break	>= 50 %	>= 50 %	50mm/min, Nominal strain; ISO 527
	>= 100 %	>= 100 %	0.2 in/min; ASTM Test
Elongation at Yield	5.0 %	5.0 %	50mm/min; ISO 527
Tensile Modulus	1.72 GPa	249 ksi	ASTM Test
	1.90 GPa	276 ksi	1mm/min; ISO 527
Izod Impact, Notched	NB @Thickness 3.17 mm	NB @Thickness 0.125 in	ASTM Test

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	3.3 @Frequency 1.00e+6 Hz	3.3 @Frequency 1.00e+6 Hz	IEC 60250

Electrical Properties	Metric	English	Comments
Dielectric Strength	35.0 kV/mm	889 kV/in	IEC 60243-1
Dissipation Factor	0.055 @Frequency 1.00e+6 Hz	0.055 @Frequency 1.00e+6 Hz	IEC 60250
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
Commercial Status	Active America	
Primary Processing Technique	Injection Molding	
UL.UL-C	Yes	

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