

Terblend® N 3154

Acrylonitrile Butadiene Styrene + Nylon
INEOS Styrolution Group GmbH

Message:

Terblend N 3154 is an 8% mineral filled ABS/PA blend with good dimensional stability and enhanced rigidity.

General Information			
UL YellowCard	E108538-101711976		
Filler / Reinforcement	Mineral,8.0% Filler by Weight		
Features	Good Dimensional Stability		
Uses	Electrical Housing		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	8.00	cm³/10min	ISO 1133
Molding Shrinkage	0.60	%	ISO 294-4
Water Absorption (Saturation, 23°C)	3.9	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	55.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield, 23°C	2.9	%	
Break, 23°C	35	%	
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress	80.0	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Tensile Elongation - MD (Break)	35	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	6.0	kJ/m²	
23°C	8.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	100	kJ/m²	
23°C	150	kJ/m²	
Notched Izod Impact Strength			ISO 180/A
-30°C	5.0	kJ/m²	
23°C	7.0	kJ/m²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, Annealed	97.0	°C	ISO 75-2/B
1.8 MPa, Annealed	83.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	130	°C	ISO 306/A50
--	105	°C	ISO 306/B50
CLTE - Flow	8.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Dissipation Factor			IEC 60250
100 Hz	0.015		
1 MHz	0.015		
Comparative Tracking Index	600	V	IEC 60112
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	250 to 285	°C	
Mold Temperature	80.0	°C	
Injection Velocity	40	mm/sec	

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