

Terblend® N NM-13

Acrylonitrile Butadiene Styrene + Nylon
INEOS Styrolution Group GmbH

Message:

Terblend N NM-13 is an ABS/PA blend with excellent impact toughness, especially at low temperature.

General Information			
Features	Low Temperature Impact Resistance		
	Ultra High Impact Resistance		
Uses	Low Temperature Applications		
	Sporting Goods		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (240°C/10.0 kg)	25.0	cm ³ /10min	ISO 1133
Molding Shrinkage	0.80	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.1	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	35.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	3.4	%	ISO 527-2
Flexural Modulus	1500	MPa	ISO 178
Flexural Stress	50.0	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Tensile Elongation - MD (Break)	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	30	kJ/m ²	
23°C	80	kJ/m ²	
Notched Izod Impact Strength			ISO 180/A
-30°C	30	kJ/m ²	
23°C	75	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Annealed	80.0	°C	ISO 75-2/B
1.8 MPa, Annealed	58.0	°C	ISO 75-2/A

Vicat Softening Temperature			
--	165	°C	ISO 306/A50
--	91.0	°C	ISO 306/B50
CLTE - Flow	1.0E-4	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms·cm	IEC 60093
Relative Permittivity (1 MHz)	2.90		IEC 60250
Dissipation Factor (1 MHz)	0.015		IEC 60250
Comparative Tracking Index	600	V	IEC 60112
Injection	Nominal Value	Unit	
Processing (Melt) Temp	240 to 270	°C	
Mold Temperature	40.0 to 80.0	°C	

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