

Terblend® N NG-02

Acrylonitrile Butadiene Styrene + Nylon

INEOS Styrolution Group GmbH

Message:

Terblend® N NG-02 is an Acrylonitrile Butadiene Styrene + Nylon (ABS+Nylon) product filled with 8.0% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Automotive.

General Information			
UL YellowCard	E108538-100840278		
Filler / Reinforcement	Glass Fiber,8.0% Filler by Weight		
Multi-Point Data	Viscosity vs. Shear Rate (ISO 11403-2)		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (240°C/10.0 kg)	30.0	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	95.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3200	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	50.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	3.0	%	ISO 527-2
Flexural Modulus	2800	MPa	ISO 178
Flexural Stress	80.0	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Tensile Elongation - MD (Break)	4.0	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	3.0	kJ/m²	
23°C	8.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	25	kJ/m²	
23°C	35	kJ/m²	
Notched Izod Impact Strength			ISO 180/A
-30°C	3.0	kJ/m²	
23°C	6.0	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Annealed	105	°C	ISO 75-2/B
1.8 MPa, Annealed	80.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	170	°C	ISO 306/A50

--	108	°C	ISO 306/B50
CLTE - Flow	6.0E-5	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
Dielectric Constant (100 Hz)	3.40		IEC 60250
Dissipation Factor (1 MHz)	0.013		IEC 60250
Injection	Nominal Value	Unit	
Processing (Melt) Temp	240 to 270	°C	

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