Terblend® N NG-02 UV

Acrylonitrile Butadiene Styrene + Nylon

INEOS Styrolution Group GmbH

Message:

Terblend N NG-02 UV is an 8% glass fiber reinforced (UV stabilized) ABS/PA blend with enhanced dimensional stability and rigidity.

General Information			
Filler / Reinforcement	Glass Fiber,8.0% Filler by Weight		
Features	Good Dimensional Stability		
Uses	Automotive Applications		
Forms	Pellets		
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
Molding Shrinkage	0.60	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.1	%	ISO 62
Hardness	**Nominal Value**	**Unit**	**Test Method**
Ball Indentation Hardness	95.0	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	3300	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	55.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	3.0	%	ISO 527-2
Flexural Modulus	2850	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
Relative Permittivity (1 MHz)	2.90		IEC 60250
Dissipation Factor (1 MHz)	0.013		IEC 60250
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	240 to 270	°C	
Mold Temperature	40.0 to 80.0	°C	

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