Terblend® N NM-12

Acrylonitrile Butadiene Styrene + Nylon

INEOS Styrolution Group GmbH

Message:

Terblend N NM-12 is an ABS/PA blend with good impact toughness and enhanced stiffness.

General Information			
UL YellowCard	E108538-100840283		
Features	Good Processability Good Stiffness Medium Impact Resistance		
Uses	Handles Household Goods		
Forms	Pellets		
Processing Method	Injection Molding		
Multi-Point Data	Viscosity vs. Shear Rate (ISO 11403-2)		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.07	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (240°C/10.0 kg)	34.0	cm³/10min	ISO 1133
Molding Shrinkage	0.80	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.1	%	ISO 62
Hardness	**Nominal Value**	**Unit**	**Test Method**
Ball Indentation Hardness	102	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2200	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	50.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	3.2	%	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress	74.0	MPa	ISO 178
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Elongation - MD (Break)	20	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-30°C	9.0	kJ/m²	
23°C	17	kJ/m²	
Notched Izod Impact Strength			ISO 180/A
-30°C	7.0	kJ/m²	

23°C	17	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Annealed	88.0	°C	ISO 75-2/B
1.8 MPa, Annealed	66.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	170	°C	ISO 306/A50
--	105	°C	ISO 306/B50
CLTE - Flow	9.0E-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)	0.015		IEC 60250
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	240 to 270	°C	
Mold Temperature	40.0 to 80.0	°C	

Recommended distributors for this material

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