

Terblend® S NM-31

Acrylonitrile Styrene Acrylate + Nylon

INEOS Styrolution Group GmbH

Message:

Terblend® S is a UV-stabilized ASA/PA blend with high impact strength, easy flow and pronounced color fastness. It is especially suitable for unpainted highly UV-exposed automotive interior parts.

General Information			
UL YellowCard	E108538-101255092		
Additive	UV Stabilizer		
Features	Good Color Stability		
	Good Flow		
	Good Surface Finish		
	Good UV Resistance		
	High Impact Resistance		
Uses	Automotive Applications		
	Automotive Interior Parts		
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)	60.0	cm ³ /10min	ISO 1133
Molding Shrinkage	0.80	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	1.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2100	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	50.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	3.3	%	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178
Flexural Stress	65.0	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Tensile Elongation - MD (Break)	25	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	9.0	kJ/m ²	
23°C	70	kJ/m ²	
Notched Izod Impact Strength			ISO 180/A

-30°C	8.0	kJ/m ²	
23°C	65	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Annealed	92.0	°C	ISO 75-2/B
1.8 MPa, Annealed	65.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	205	°C	ISO 306/A50
--	110	°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)	0.018		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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