

NILSAN S V0 NB L

Acrylonitrile Butadiene Styrene

Taro Plast S.p.A.

Message:

ABS flame retardant UL94 V0 (non blooming type), heat and UV stabilized, good mechanical properties, good surface appearance.

General Information			
UL YellowCard	E143048-100035164		
Additive	heat stabilizer		
	UV stabilizer		
	Flame retardancy		
Features	No frost		
	Good UV resistance		
	Thermal Stability		
	Good appearance		
	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	20	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	0.40 - 0.70	%	Internal method
Flow direction	0.40 - 0.70	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2/1
Tensile Stress (Yield)	40.0	MPa	ISO 527-2/50
Tensile Strain (Break)	10	%	ISO 527-2/50
Flexural Modulus ¹	2400	MPa	ISO 178
Flexural Stress ²	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A
Continuous Use Temperature	60.0	°C	IEC 60216
Vicat Softening Temperature	90.0	°C	ISO 306/B50
Ball Pressure Test (75°C)	Pass		IEC 60695-10-2

CLTE - Flow (-30 to 30°C)	5.5E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	> 400	V	IEC 60112
Needle Flame Test (1.60 mm)	Pass		IEC 60695-11-5
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Oxygen Index	27	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature	70.0 - 80.0	°C	
Drying Time	1.0	hr	
Processing (Melt) Temp	210 - 240	°C	
Mold Temperature	50.0 - 80.0	°C	
Injection Rate	Moderate		
Injection instructions			
Pre-heat Temperature: 70 to 80°CPre-heat Time: 3 hrs			
NOTE			
1.	1.0 mm/min		
2.	1.0 mm/min		
3.	120°C/hr		

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