

NILSAN S V0

Acrylonitrile Butadiene Styrene
Taro Plast S.p.A.

Message:

UL94 V0, heat stabilized, good impact resistance and glossy surface.

General Information			
UL YellowCard	E143048-100035165		
Additive	heat stabilizer		
	Flame retardancy		
Features	Highlight		
	Impact resistance, good		
	Thermal Stability		
	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	30	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	0.30 - 0.60	%	Internal method
Flow direction	0.30 - 0.60	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	38.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 50	%	ISO 527-2/50
Flexural Modulus ¹	2100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ² (1.8 MPa, Unannealed)	74.0	°C	ISO 75-2/A
Continuous Use Temperature	60.0	°C	IEC 60216
Vicat Softening Temperature	85.0	°C	ISO 306/B50
Ball Pressure Test (75°C)	Pass		IEC 60695-10-2
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		UL 94

3.20 mm	V-0	UL 94
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 - 60.0	°C
Injection Rate	Slow-Moderate	
Injection instructions		
Pre-heat Temperature: 70 to 80°CPre-heat Time: 3 hrs		
NOTE		
1.	1.0 mm/min	
2.	120°C/hr	

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