

NILENE® P K30VA V0

Polypropylene Homopolymer

Taro Plast S.p.A.

Message:

Polypropylene homopolymer 30% glass fibres reinforced chemically coupled, flame retardant UL94 V0, good mechanical properties.

General Information			
UL YellowCard	E143048-100035160		
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	Flame retardancy		
Features	Chemical coupling		
	Homopolymer		
	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	0.40 - 0.80	%	Internal method
Flow direction	0.10 - 0.50	%	Internal method
Water Absorption (Saturation, 23°C)	0.050	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	70.0	MPa	ISO 527-2/50
Tensile Strain (Break)	3.0	%	ISO 527-2/50
Flexural Modulus ¹	6500	MPa	ISO 178
Flexural Stress ²	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	65	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	140	°C	ISO 75-2/A
Vicat Softening Temperature	130	°C	ISO 306/B50
Ball Pressure Test (125°C)	Pass		IEC 60695-10-2
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	> 600	V	IEC 60112
Needle Flame Test (1.60 mm)	Pass		IEC 60695-11-5
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		UL 94

3.20 mm	V-0	UL 94
Glow Wire Flammability Index (1.60 mm)	960	°C IEC 60695-2-12
Glow Wire Ignition Temperature (1.60 mm)	775	°C IEC 60695-2-13
Injection	Nominal Value	Unit
Processing (Melt) Temp	200 - 230	°C
Mold Temperature	40.0 - 60.0	°C
Injection Rate	Moderate	
Injection instructions		
Pre-heat Temperature: 70 to 90°CPre-heat Time: 1 hr		
NOTE		
1.	1.0 mm/min	
2.	1.0 mm/min	

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