

NILENE® E6 K20VA V0

Polypropylene Copolymer

Taro Plast S.p.A.

Message:

Polypropylene copolymer medium flow 20% glass fibres reinforced chemically coupled, flame retardant UL94 V0, good mechanical properties.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Additive	Flame retardancy		
Features	Copolymer		
	Chemical coupling		
	Medium liquidity		
	Flame retardancy		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction	0.45 - 0.65	%	Internal method
Flow direction	0.30 - 0.50	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	45.0	MPa	ISO 527-2/50
Flexural Modulus ¹	4000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	120	°C	ISO 75-2/A
Vicat Softening Temperature	102	°C	ISO 306/B50
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 (1.00 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.00 mm)	775	°C	IEC 60695-2-13
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content ² (600°C)	20	%	ISO 3451
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 240	°C	

Mold Temperature	50.0 - 70.0	°C
Injection Rate	Moderate	
Injection instructions		
Pre-heat Temperature: 70 to 80°CPre-heat Time: 1 hr		
NOTE		
1.	1.0 mm/min	
2.	1 hr	

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Recommended distributors for this material

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