

TECHNYL® A 32G1 NATURAL

Polyamide 66
Solvay Engineering Plastics

Message:
Flame retardant Polyamide 66, unreinforced, heat stabilised, for injection moulding.

General Information			
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Uses	Appliances		
	Connectors		
	Electrical/Electronic Applications		
Appearance	Natural Color		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PA66-FR17<		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183/A
Molding Shrinkage			Internal Method
Across Flow	1.0	%	
Flow	1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2950	MPa	ISO 527-2/1A
Tensile Stress (Break)	50.0	MPa	ISO 527-2/1A
Tensile Strain (Yield)	15	%	ISO 527-2/1A
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	130	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	85.0	°C	ISO 75-2/Af
Melting Temperature	260	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	400	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.380 mm	V-2		
0.800 mm	V-2		
1.60 mm	V-2		
Glow Wire Flammability Index			IEC 60695-2-12

0.800 mm	850	°C
1.60 mm	850	°C
3.20 mm	850	°C
Glow Wire Ignition Temperature		IEC 60695-2-13
0.800 mm	875	°C
1.60 mm	900	°C
Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Suggested Max Moisture	0.20	%
Rear Temperature	270	°C
Middle Temperature	260 to 280	°C
Front Temperature	270 to 290	°C
Mold Temperature	60.0 to 80.0	°C

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