

TECHNYL® A 30H1 V25 NATURAL

Polyamide 66
Solvay Engineering Plastics

Message:
Flame-retardant polyamide 66, 25% glass-fibre reinforced, heat stabilized for injection moulding.

General Information				
UL YellowCard		E44716-235579		
Filler / Reinforcement		Glass Fiber,25% Filler by Weight		
Additive		Heat Stabilizer		
Features		Heat Stabilized		
Uses		Electrical/Electronic Applications		
		Switches		
Appearance		Colors Available		
		Natural Color		
Processing Method		Injection Molding		
Part Marking Code (ISO 11469)		>PA66-GF25 FR(17)<		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.54	--	g/cm ³	ISO 1183/A
Water Absorption (23°C, 24 hr)	0.0	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8800	7000	MPa	ISO 527-2/1A
Tensile Stress (Break)	95.0	78.0	MPa	ISO 527-2/1A
Tensile Strain (Break)	2.5	3.0	%	ISO 527-2/1A
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	9.0	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	45	47	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	9.8	11	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	220	--	°C	ISO 75-2/Af
Melting Temperature	263	--	°C	ISO 11357-3
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index (Solution A)	500	600	V	IEC 60112

Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.800 mm	V-0	--		
1.60 mm	V-0	--		
3.20 mm	V-0	--		
Glow Wire Flammability Index				IEC 60695-2-12
0.800 mm	960	--	°C	
1.60 mm	960	--	°C	
Glow Wire Ignition Temperature				IEC 60695-2-13
0.800 mm	775	--	°C	
1.60 mm	775	--	°C	
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Suggested Max Moisture	0.20		%	
Rear Temperature	275 to 280		°C	
Middle Temperature	280 to 285		°C	
Front Temperature	285 to 290		°C	
Mold Temperature	60.0 to 90.0		°C	

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