

TECHNYL® A 20 V25 BLACK 25

Polyamide 66
Solvay Engineering Plastics

Message:
Flame retardant polyamide 66, reinforced with 25% of glass fibre, for injection moulding.

General Information				
UL YellowCard		E44716-235546		
Filler / Reinforcement		Glass Fiber,25% Filler by Weight		
Additive		Flame Retardant		
Features		Flame Retardant		
Uses		Connectors		
		Switches		
		Thin-walled Parts		
Appearance		Black		
Processing Method		Injection Molding		
Part Marking Code (ISO 11469)		>PA66-GF25<		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.38	--	g/cm ³	ISO 1183/A
Water Absorption (23°C, 24 hr)	0.75	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9000	6500	MPa	ISO 527-2/1A
Tensile Stress				ISO 527-2/1A
Yield	160	120	MPa	
Break	160	120	MPa	
Tensile Strain				ISO 527-2/1A
Yield	2.0	4.0	%	
Break	2.0	4.0	%	
Flexural Modulus	7500	6000	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	8.0	9.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	50	60	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	8.0	9.0	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature	263	--	°C	ISO 11357-3
Electrical	Dry	Conditioned	Unit	Test Method

Surface Resistivity	0.10	0.010	ohms	IEC 60093
Volume Resistivity	10	0.10	ohms·cm	IEC 60093
Electric Strength	25	25	kV/mm	IEC 60243-1
Dissipation Factor	0.020	0.050		IEC 60250
Comparative Tracking Index				IEC 60112
Solution A	375	350	V	
Solution B	350	--	V	
Flammability	Dry	Conditioned	Unit	Test Method
Glow Wire Flammability Index (1.60 mm)	960	--	°C	IEC 60695-2-12
Oxygen Index	31	--	%	ISO 4589-2
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Suggested Max Moisture	0.20		%	
Rear Temperature	270 to 275		°C	
Middle Temperature	275 to 280		°C	
Front Temperature	280 to 285		°C	
Mold Temperature	60.0 to 80.0		°C	

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