

TECHNYL® A 20 V35 BLACK 25

Polyamide 66
Solvay Engineering Plastics

Message:
Flame retardant polyamide 66, reinforced with 35% of glass fibre, for injection moulding.

General Information				
Filler / Reinforcement		Glass Fiber,35% Filler by Weight		
Additive		Flame Retardant		
Features		Flame Retardant		
Uses		Connectors		
		Electrical/Electronic Applications		
		Switches		
Appearance		Black		
Processing Method		Injection Molding		
Part Marking Code (ISO 11469)		>PA66-GF35 FR(52)<		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.46	--	g/cm ³	ISO 1183/A
Water Absorption (23°C, 24 hr)	0.60	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	12000	10000	MPa	ISO 527-2/1A
Tensile Stress				ISO 527-2/1A
Yield	190	140	MPa	
Break	170	140	MPa	
Tensile Strain				ISO 527-2/1A
Yield	2.0	3.0	%	
Break	2.0	3.0	%	
Flexural Modulus	10000	7500	MPa	ISO 178
Flexural Stress	260	200	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	10	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	65	70	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	10	12	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	1.0E+13	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+12	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	400	375	V	
Solution B	325	--	V	
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.800 mm	V-0	--		
1.60 mm	V-0	--		
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	275 to 280		°C	
Middle Temperature	285 to 290		°C	
Front Temperature	290 to 295		°C	
Mold Temperature	60.0 to 80.0		°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

