

TECHNYL® A 60G2 V30 NATURAL

Polyamide 66
Solvay Engineering Plastics

Message:
High flow Polyamide PA66 Flame retarded grade reinforced with 30% glass fibre, for injection moulding.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	High Flow		
Uses	Appliances		
	Connectors		
Appearance	Black		
	Grey		
	Natural Color		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PA66-GF30 FR(40)<		
Physical	Nominal Value	Unit	Test Method
Density	1.46	g/cm ³	ISO 1183/A
Molding Shrinkage			ISO 294-4
Across Flow	1.2	%	
Flow	0.56	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11500	MPa	ISO 527-2/1A
Tensile Stress (Break)	150	MPa	ISO 527-2/1A
Tensile Strain (Break)	2.5	%	ISO 527-2/1A
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	55	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	256	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	247	°C	ISO 75-2/Af
Melting Temperature	262	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (Solution A)	550	V	IEC 60112
Flammability	Nominal Value	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	
3.20 mm	960	°C	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.800 mm	800	°C	
1.60 mm	850	°C	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Suggested Max Moisture	0.20	%	
Rear Temperature	260 to 270	°C	
Middle Temperature	260 to 270	°C	
Front Temperature	260 to 270	°C	
Mold Temperature	60.0 to 80.0	°C	

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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

