

TECHNYL® A 218C V10 NATURAL

Polyamide 66
Solvay Engineering Plastics

Message:

TECHNYL® A 218C V10 Natural is a polyamide 66, reinforced with 10% of glass fibre, heat stabilized, for injection moulding. This product is available in natural color.

General Information				
Filler / Reinforcement		Glass Fiber,10% Filler by Weight		
Additive		Heat Stabilizer		
Features		Electrically Conductive		
		Good Dimensional Stability		
		Heat Stabilized		
		Low Warpage		
Uses		Automotive Applications		
Agency Ratings		UU 453/2010/EC		
RoHS Compliance		RoHS Compliant		
Appearance		Natural Color		
Processing Method		Injection Molding		
Part Marking Code (ISO 11469)		>PA66-(GF10+CF)<		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.20	--	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	1.2	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5500	3200	MPa	ISO 527-2/1A
Tensile Stress (Break)	100	70.0	MPa	ISO 527-2/1A
Tensile Strain (Break)	4.0	10	%	ISO 527-2/1A
Flexural Modulus	4200	2400	MPa	ISO 178
Flexural Stress	--	95.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5	6.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	50	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	232	--	°C	ISO 75-2/Af
Peak Melting Temperature	260	--	°C	ASTM D3418
Electrical	Dry	Conditioned	Unit	Test Method

Surface Resistivity	--	1.0E+12	ohms	IEC 60093
Volume Resistivity	--	1.0E+12	ohms·cm	IEC 60093
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	HB	--		UL 94
Glow Wire Flammability Index (1.60 mm)	650	--	°C	IEC 60695-2-12
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Suggested Max Moisture	0.20		%	
Rear Temperature	250 to 270		°C	
Middle Temperature	260 to 280		°C	
Front Temperature	260 to 280		°C	
Mold Temperature	70.0 to 100		°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

