

TECHNYL® A 118L V50 BLACK 2428

Polyamide 66
Solvay Engineering Plastics

Message:

TECHNYL A 118L V50 is a polyamide 6.6 reinforced with 50% of glass fiber, with thermal stability, UV protection and modified viscosity that provides better superficial appearance.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Good Surface Finish		
	Heat Stabilized		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.57	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	0.60	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	13000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	220	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.8	%	ISO 527-2
Flexural Modulus (23°C)	16800	MPa	ISO 178
Flexural Stress (23°C)	355	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	60	kJ/m ²	ISO 179
Notched Izod Impact Strength (23°C)	14	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	> 240	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	> 240	°C	ISO 75-2/Af
Peak Melting Temperature	260	°C	ASTM D3418
CLTE - Flow (23 to 85°C)	1.5E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
1.60 mm	HB		

3.20 mm	HB	
Injection	Nominal Value	Unit
Rear Temperature	260 to 270	°C
Middle Temperature	270 to 280	°C
Front Temperature	280 to 290	°C
Nozzle Temperature	280 to 290	°C
Mold Temperature	80.0 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

