

TECHNYL STAR™ SX 218L1 V50 BLACK 38N

Polyamide 6
Solvay Engineering Plastics

Message:

TECHNYLSTAR™ Polyamide 6, 50% glass fibre, heat & improved UV stabilized, for injection moulding. Characterized by a high fluidity of melt.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Good Surface Finish		
	Good UV Resistance		
	Heat Stabilized		
	High Flow		
Uses	Automotive Applications		
	Industrial Applications		
Appearance	Black		
	Colors Available		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PA6-GF50<		
Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow	0.33	%	
Flow	0.25	%	
Water Absorption (23°C, 24 hr)	0.72	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	105	MPa	ASTM D638
Tensile Elongation (Break)	4.5	%	ASTM D638
Flexural Modulus	5650	MPa	ASTM D790
Flexural Strength	165	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648
Melting Temperature	222	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Suggested Max Moisture	0.20	%	
Rear Temperature	230 to 235	°C	
Middle Temperature	235 to 245	°C	
Front Temperature	245 to 250	°C	
Mold Temperature	80.0 to 100	°C	

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Recommended distributors for this material

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