

TECHNYL STAR™ SX 218L2 V60 BLACK JA6A

Polyamide 6
Solvay Engineering Plastics

Message:

TECHNYLSTAR polyamide reinforced with 60% of glass fibre, heat and UV stabilized, characterized by a high fluidity of the melt, for injection moulding.

General Information				
Filler / Reinforcement		Glass Fiber,60% Filler by Weight		
Additive		Heat Stabilizer		
		UV Stabilizer		
Features		Good Moldability		
		Good Surface Finish		
		Heat Stabilized		
		High Flow		
		High Stiffness		
Appearance		Black		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.66	--	g/cm ³	ISO 1183/A
Molding Shrinkage				Internal Method
Across Flow	0.010	--	%	
Flow	0.010	--	%	
Water Absorption (23°C, 24 hr)	0.55	--	%	ISO 62
Molding Shrinkage Isotropy	1.00	--		Internal Method
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	21000	15500	MPa	ISO 527-2/1A
Tensile Stress (Break)	240	165	MPa	ISO 527-2/1A
Tensile Strain (Break)	2.4	3.7	%	ISO 527-2/1A
Flexural Modulus	19000	13200	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	15	20	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	85	95	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	15	22	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	90	100	kJ/m ²	ISO 180

Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	215	--	°C	ISO 75-2/Af
Melting Temperature	222	--	°C	ISO 11357-3
Flammability	Dry	Conditioned		Test Method
Flame Rating (1.60 mm)	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Suggested Max Moisture	0.15		%	
Rear Temperature	220 to 225		°C	
Middle Temperature	235 to 240		°C	
Front Temperature	240 to 245		°C	
Mold Temperature	80.0		°C	

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