

TECHNYL STAR™ SX 216 V50 NATURAL

Polyamide 6
Solvay Engineering Plastics

Message:
TECHNYLSTAR Polyamide, reinforced with 50% of glass fibre, characterized by a high fluidity of the melt, for injection moulding.

General Information				
Filler / Reinforcement		Glass Fiber,50% Filler by Weight		
Features		Good Flow		
		Good Surface Finish		
		High Flow		
		High Stiffness		
Appearance		Natural Color		
Processing Method		Injection Molding		
Part Marking Code (ISO 11469)		>PA6-GF50<		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.55	--	g/cm ³	ISO 1183/A
Molding Shrinkage				Internal Method
Across Flow	0.32	--	%	
Flow	0.23	--	%	
Water Absorption (23°C, 24 hr)	0.72	--	%	ISO 62
Molding Shrinkage Isotropy	0.720	--		Internal Method
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	17000	11600	MPa	ISO 527-2/1A
Tensile Stress (Break)	230	162	MPa	ISO 527-2/1A
Tensile Strain (Break)	2.6	4.0	%	ISO 527-2/1A
Flexural Modulus	15500	10000	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)	210	--	°C	ISO 75-2/Af

Melting Temperature	222	--	°C	ISO 11357-3
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index (Solution A)	500	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	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	

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

