

TECHNYL STAR™ SX 218 V60 BLACK Z

Polyamide 6
Solvay Engineering Plastics

Message:

TECHNYLSTAR Polyamide reinforced with 60% of glass fibre,heat stabilized, for injection moulding. Characterized by a high fluidity of the melt.

General Information				
UL YellowCard	E44716-235540			
Filler / Reinforcement	Glass fiber reinforced material, 60% filler by weight			
Additive	heat stabilizer			
Features	Rigidity, high			
	High liquidity			
	Thermal Stability			
Appearance	Black			
Processing Method	Injection molding			
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)			
	Secant Modulus vs. Strain (ISO 11403-1)			
	Viscosity vs. Shear Rate (ISO 11403-2)			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.65	--	g/cm ³	ISO 1183/A
Water Absorption (23°C, 24 hr)	0.55	--	%	ISO 62
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)	2.5	4.0	%	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	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	0.20		%
Rear Temperature	220 - 225		°C
Middle Temperature	235 - 240		°C
Front Temperature	240 - 245		°C
Mold Temperature	80.0		°C
Injection instructions			

Inj Pressure vs Standard PA: -30% Spiral Length vs Standard PA: 190%

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

