

TECHNYL STAR™ SX 216 V60 NATURAL

Polyamide 6
Solvay Engineering Plastics

Message:

TECHNYL STAR TM Polyamide reinforced with 60% of glass fibre,for injection moulding. Characterized by a high fluidity of the melt.

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 60% filler by weight		
Features		Rigidity, high		
		Good formability		
		High liquidity		
		Excellent appearance		
Appearance		Natural color		
Processing Method		Injection molding		
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	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	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
Melting Temperature	222	--	°C	ISO 11357-3
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%

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Recommended distributors for this material

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