

TECHNYL STAR™ SX 216 L2 V60 NATURAL

Polyamide 6
Solvay Engineering Plastics

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

General Information			
Filler / Reinforcement	Glass Fiber,60% Filler by Weight		
Additive	UV Stabilizer		
Features	Good Moldability		
	Good Surface Finish		
	Good UV Resistance		
	High Flow		
	High Stiffness		
Uses	Automotive Applications		
	Automotive Interior Parts		
Appearance	Natural Color		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PA6-GF60<		
Physical	Nominal Value	Unit	Test Method
Density	1.68	g/cm ³	ISO 1183/A
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	18700	MPa	ISO 527-2/1A
Tensile Stress (Break)	220	MPa	ISO 527-2/1A
Tensile Strain (Break)	2.5	%	ISO 527-2/1A
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	83	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	20	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	81	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	220	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	212	°C	ISO 75-2/Af
Melting Temperature	222	°C	ISO 11357-3
Injection	Nominal Value	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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