

TECHNYL STAR™ AF 218 V30 BLACK 21N

Polyamide 66
Solvay Engineering Plastics

Message:

TECHNYLSTAR® AF 218 V30 BLACK 21N is a polyamide 6.6, high flow, reinforced with 30% of glass fiber, heat stabilized, for injection molding. This product is available in black color.

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Additive		Heat Stabilizer		
Features		Good Processability		
		Good Surface Finish		
		Heat Stabilized		
		High Flow		
Uses		Automotive Applications		
		Automotive Under the Hood		
		Pulleys		
Agency Ratings		UU 453/2010/EC		
RoHS Compliance		RoHS Compliant		
Appearance		Black		
Processing Method		Injection Molding		
Part Marking Code (ISO 11469)		>PA66-GF30<		
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	10000	7500	MPa	ISO 527-2/1A
Tensile Stress (Break)	190	135	MPa	ISO 527-2/1A
Tensile Strain (Break)	3.0	4.2	%	ISO 527-2/1A
Flexural Modulus	9000	--	MPa	ISO 178
Flexural Stress	280	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	10	14	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	70	80	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	258	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	254	--	°C	ISO 75-2/ Af
Melting Temperature	263	--	°C	ISO 11357-3

CLTE - Flow (23 to 85°C)	2.5E-5	--	cm/cm/°C	ISO 11359-2
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	260 to 270		°C	
Middle Temperature	270 to 280		°C	
Front Temperature	280 to 290		°C	
Mold Temperature	70.0 to 100		°C	

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