

TECHNYL STAR™ AF 218 V25 BLACK 21N

Polyamide 66
Solvay Engineering Plastics

Message:

TECHNYLSTAR® AF 218 V25 BLACK 21N is a polyamide 6.6, high flow, reinforced with 25% of glass fiber, heat stabilized, for injection molding. This product is available in black color.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Processability		
	Good Surface Finish		
	Heat Stabilized		
	High Flow		
Agency Ratings	UU 453/2010/EC		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PA66-GF25<		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183/A
Molding Shrinkage			Internal Method
Across Flow	0.85	%	
Flow	0.60	%	
Water Absorption (23°C, 24 hr)	0.90	%	ISO 62
Molding Shrinkage Isotropy	0.710		Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8800	MPa	ISO 527-2/1A
Tensile Stress (Break)	150	MPa	ISO 527-2/1A
Tensile Strain (Break)	2.7	%	ISO 527-2/1A
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	55	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	255	°C	ISO 75-2/Af
Melting Temperature	263	°C	ISO 11357-3
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Suggested Max Moisture	0.20	%	

Rear Temperature	270 to 275	°C
Middle Temperature	280 to 285	°C
Front Temperature	285 to 290	°C
Mold Temperature	60.0 to 80.0	°C

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