

TECHNYL® A 218HP V35 BLACK 21N

Polyamide 66
Solvay Engineering Plastics

Message:

TECHNYL® A 218HP V35 Black 21N is a polyamide 6.6, reinforced with 35% of glass fiber, heat stabilized, for injection moulding. This product is available in black color.

General Information				
Filler / Reinforcement		Glass Fiber,35% Filler by Weight		
Additive		Heat Stabilizer		
Features		Heat Stabilized		
		High Heat Resistance		
Uses		Automotive Applications		
Agency Ratings		UU 453/2010/EC		
RoHS Compliance		RoHS Compliant		
Appearance		Black		
Processing Method		Injection Molding		
Part Marking Code (ISO 11469)		>PA66-GF35<		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.39	--	g/cm ³	ISO 1183/A
Molding Shrinkage				Internal Method
Across Flow	0.60	--	%	
Flow	0.46	--	%	
Molding Shrinkage Isotropy				Internal Method
	0.770	--		
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	10700	7000	MPa	ISO 527-2/1A
Tensile Stress (Break)	170	107	MPa	ISO 527-2/1A
Tensile Strain (Break)	2.8	5.6	%	ISO 527-2/1A
Flexural Modulus	8700	--	MPa	ISO 178
Flexural Stress	250	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	18	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	75	75	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	247	--	°C	ISO 75-2/Af
Injection	Dry	Unit		

Drying Temperature	80.0	°C
Suggested Max Moisture	0.12	%
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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Recommended distributors for this material

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