

TECHNYL® A 218G V33 BLACK 41N

Polyamide 66
Solvay Engineering Plastics

Message:

TECHNYL® A 218G V33 Black 41N is a polyamide 66, reinforced with 33% of glass fiber, heat stabilized, for injection molding. The product is available in black color.

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Additive	Heat Stabilizer		
Features	Glycol Resistant		
	Good Surface Finish		
	Heat Stabilized		
Agency Ratings	UU 453/2010/EC		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PA66-GF33<		
Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm³	ISO 1183/A
Molding Shrinkage			ISO 294-4
Across Flow	1.0	%	
Flow	0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8500	MPa	ISO 527-2/1A
Tensile Stress (Break)	174	MPa	ISO 527-2/1A
Tensile Strain (Break)	2.9	%	ISO 527-2/1A
Flexural Modulus	8700	MPa	ISO 178
Flexural Stress	264	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.7	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	72	kJ/m²	ISO 179
Notched Izod Impact Strength (23°C)	9.8	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	250	°C	ISO 75-2/Af
Melting Temperature	260	°C	ISO 11357-3
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Suggested Max Moisture	0.20	%	

Rear Temperature	255 to 265	°C
Middle Temperature	265 to 275	°C
Front Temperature	275 to 280	°C
Mold Temperature	60.0 to 80.0	°C

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Recommended distributors for this material

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