

TECHNYL® A R 218 V30 BLACK

Polyamide 66
Solvay Engineering Plastics

Message:

TECHNYL® AR 218 V30 Black is a polyamide 66, reinforced with 30% of glass fibre, heat stabilized, for injection moulding. It contains recycled materials. This product is available in black color.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Recycled Content	Yes		
Features	Heat Stabilized		
Uses	Automotive Applications		
	Automotive Under the Hood		
Agency Ratings	UU 453/2010/EC		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Processing Method	Injection Molding		
Part Marking Code (ISO 11469)	>PA66-GF30<		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183/A
Molding Shrinkage			Internal Method
Across Flow	0.80	%	
Flow	0.50	%	
Molding Shrinkage Isotropy	0.630		Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8400	MPa	ISO 527-2/1A
Tensile Stress (Break)	120	MPa	ISO 527-2/1A
Tensile Strain (Break)	2.3	%	ISO 527-2/1A
Flexural Modulus	7000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	42	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	8.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	255	°C	ISO 75-2/Af
Melting Temperature	260	°C	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94

Glow Wire Flammability Index (1.60 mm)	650	°C	IEC 60695-2-12
Oxygen Index	23	%	ISO 4589-2
Injection	Nominal Value	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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