

TECHNYL® C R 218 V30 BLACK 1 N

Polyamide 6
Solvay Engineering Plastics

Message:

TECHNYL® CR 218 V30 Black 1N is a polyamide 6, reinforced with 30% of glass fiber, heat stabilized, for injection moulding. It contains recycled raw 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		
Agency Ratings	UU 453/2010/EC		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm³	ISO 1183/A
Molding Shrinkage			Internal Method
Across Flow	0.75	%	
Flow	0.37	%	
Molding Shrinkage Isotropy	0.490		Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9600	MPa	ISO 527-2/1A
Tensile Stress (Break)	140	MPa	ISO 527-2/1A
Tensile Strain (Break)	2.0	%	ISO 527-2/1A
Flexural Modulus	8800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.2	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	50	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	208	°C	ISO 75-2/Af
Melting Temperature	222	°C	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index			IEC 60695-2-12
1.60 mm	650	°C	
3.20 mm	650	°C	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	

Suggested Max Moisture	0.20	%
Rear Temperature	225 to 230	°C
Middle Temperature	230 to 240	°C
Front Temperature	240 to 250	°C
Mold Temperature	80.0 to 100	°C

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Recommended distributors for this material

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