

TECHNYL® A R 130/GF BLACK

Polyamide 66
Solvay Engineering Plastics

Message:

TECHNYL® AR 130/GF Black is a polyamide 66, reinforced with 30% of glass fibre, 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		
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-GF30<		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.37	--	g/cm ³	ISO 1183/A
Molding Shrinkage				Internal Method
Across Flow	1.0	--	%	
Flow	0.60	--	%	
Molding Shrinkage Isotropy	0.600	--		Internal Method
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9200	6000	MPa	ISO 527-2/1A
Tensile Stress (Break)	140	100	MPa	ISO 527-2/1A
Tensile Strain (Break)	2.8	--	%	ISO 527-2/1A
Flexural Modulus	8250	--	MPa	ISO 178
Flexural Stress	227	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	50	65	kJ/m ²	ISO 179/1eU
Unnotched Izod Impact Strength	44	--	kJ/m ²	ISO 180
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	245	--	°C	ISO 75-2/Af

Melting Temperature	260	--	°C	ISO 11357-3
Injection	Dry	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	80.0 to 100		°C	

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Recommended distributors for this material

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