

TECACOMP® PA66 CF30 black 9103

Polyamide 66
Ensinger GmbH

Message:

TECACOMP®PA66 CF30 black 9103 is a polyamide 66 (nylon 66) product that contains 30% carbon fiber reinforcement. It can be processed by injection molding and is available in Europe.

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 30% filler by weight		
Appearance	Black		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm³	
Apparent Density	0.57	g/cm³	ISO 60
Viscosity Number (H2SO4 (Sulphuric Acid))	150	cm³/g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	20000	MPa	ISO 527-2/50
Tensile Stress	245	MPa	ISO 527-2/50
Tensile Strain (Break)	1.5	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	50	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature			DIN 53765
-- 1	5.00	°C	DIN 53765
-- 2	72.0	°C	DIN 53765
Melting Temperature	260	°C	DIN 53765
Service Temperature			
long term	110	°C	
short term	170	°C	
Electrical Conductivity	110	S/m	ISO 3915
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	4.0 - 8.0	hr	
Suggested Max Moisture	0.10	%	
Processing (Melt) Temp	280 - 300	°C	
Mold Temperature	80 - 120	°C	
NOTE			
1.	Moist		
2.	Dry		

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Recommended distributors for this material

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