

TECACOMP® PA66 CF30 black 3519

Polyamide 66
Ensinger GmbH

Message:

Main features
excellent tensile strength
Target Industries
automotive industry
mechanical engineering
business machines
precision engineering

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 30% filler by weight		
Features	High tensile strength		
Uses	Application in Automobile Field		
	Business equipment		
Appearance	Black		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm³	
Molding Shrinkage			ISO 294-4
Transverse flow	0.72	%	ISO 294-4
Flow	0.21	%	ISO 294-4
Viscosity Number (H2SO4 (Sulphuric Acid))	140	cm³/g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	21000	MPa	ISO 527-2/50
Tensile Stress	265	MPa	ISO 527-2/50
Tensile Strain (Break)	2.0	%	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
Heat Deflection Temperature (1.8 MPa, Unannealed)	259	°C	ISO 75-2/A
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	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+3	ohms	DIN EN 61340
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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT