

TECACOMP® PA66 CF40 black 3623

Polyamide 66
Ensinger GmbH

Message:

TECACOMP®PA66 CF40 black 3623 is a polyamide 66 (nylon 66) product that contains 40% carbon fiber reinforcement. It can be processed by injection molding and is available in Europe.

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 40% filler by weight		
Appearance	Black		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm³	
Melt Mass-Flow Rate (MFR) (280°C/2.16 kg)	5.0	g/10 min	ISO 1133
Viscosity Number (H2SO4 (Sulphuric Acid))	145	cm³/g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	27500	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	45	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	360	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		

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

