

TECACOMP® PA66 CF15 black 4058

Polyamide 66
Ensinger GmbH

Message:

TECACOMP®PA66 CF15 black 4058 is a polyamide 66 (nylon 66) product that contains 15% carbon fiber reinforcement. It can be processed by injection molding and is available in Europe.

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 15% filler by weight		
Appearance	Black		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm³	
Melt Mass-Flow Rate (MFR) (280°C/5.0 kg)	88	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (280°C/5.0 kg)	84.0	cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Transverse flow	1.0	%	ISO 294-4
Flow	0.30	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11800	MPa	ISO 527-2/50
Tensile Stress	200	MPa	ISO 527-2/50
Tensile Strain (Break)	3.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	40	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	253	°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	

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Recommended distributors for this material

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