

TECACOMP® PA46 CF15 TF10 black 9076

Polyamide 46
Ensinger GmbH

Message:

TECACOMP® PA46 CF15 TF10 black 9076 is a polyamide 46 (nylon 46) product, which contains 10% ptfe fiber and 15% carbon fiber reinforced materials. It can be processed by injection molding and is available in Europe.

General Information			
Filler / Reinforcement	PTFE fiber, 10% filler by weight		
	Carbon fiber reinforced material, 15% filler by weight		
Appearance	Black		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm³	
Viscosity Number (H2SO4 (Sulphuric Acid))	175	cm³/g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10600	MPa	ISO 527-2/50
Tensile Stress	200	MPa	ISO 527-2/50
Tensile Strain (Break)	2.5	%	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	75.0	°C	DIN 53765
Melting Temperature	295	°C	DIN 53765
Service Temperature			
long term	130	°C	
short term	220	°C	
Injection	Nominal Value	Unit	
Drying Temperature	80 - 90	°C	
Drying Time	2.0 - 8.0	hr	
Suggested Max Moisture	0.050	%	
Processing (Melt) Temp	280 - 320	°C	
Mold Temperature	80 - 150	°C	

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Recommended distributors for this material

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