

TECACOMP® PA66 GF25 TF10 HI natural 9173

Polyamide 66
Ensinger GmbH

Message:

TECACOMP®PA66 GF25 TF10 HI natural 9173 is a polyamide 66 (nylon 66) product, which contains 10% ptfe fiber and 25% glass fiber reinforcement. It can be processed by injection molding and is available in Europe. The main characteristics are: heat stabilizer.

General Information			
Filler / Reinforcement	PTFE fiber, 10% filler by weight		
	Glass fiber reinforced material, 25% filler by weight		
Additive	heat stabilizer		
Features	Thermal Stability		
Appearance	Natural color		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm³	
Apparent Density	0.66	g/cm³	ISO 60
Molding Shrinkage			ISO 294-4
Transverse flow	1.1	%	ISO 294-4
Flow	0.30	%	ISO 294-4
Viscosity Number (H2SO4 (Sulphuric Acid))	150	cm³/g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8000	MPa	ISO 527-2/50
Tensile Stress	170	MPa	ISO 527-2/50
Tensile Strain (Break)	3.5	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	70	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	
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	4.0 - 8.0	hr	

Suggested Max Moisture	0.10	%
Processing (Melt) Temp	260 - 310	°C
Mold Temperature	90 - 150	°C

NOTE		
1.	Moist	
2.	Dry	

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Recommended distributors for this material

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