

# TECACOMP® PA66 GF35 CF10 HI 3146

Polyamide 66  
Ensinger GmbH

Message:

TECACOMP® PA66 GF35 CF10 HI 3146 is a polyamide 66 (nylon 66) product, which contains fillers of 35% glass fiber reinforced materials and 10% carbon fiber reinforced materials. It can be processed by injection molding and is available in Europe. The main characteristics are: heat stabilizer.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 35% filler by weight		
	Carbon fiber reinforced material, 10% filler by weight		
Additive	heat stabilizer		
Features	Thermal Stability		
Appearance	Black		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm <sup>3</sup>	
Viscosity Number (H2SO4 (Sulphuric Acid))	150	cm <sup>3</sup> /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	18500	MPa	ISO 527-2/50
Tensile Stress	250	MPa	ISO 527-2/50
Tensile Strain (Break)	2.2	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	65	kJ/m <sup>2</sup>	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	7.00	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	260 - 310	°C	
Mold Temperature	90 - 150	°C	

## NOTE

- |    |       |
|----|-------|
| 1. | Moist |
| 2. | Dry   |

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## 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



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