

GERMADUR KF 30

Polybutylene Terephthalate

Kunststoff-Kontor-Hamburg GmbH

Message:

GERMADUR KF 30 is a Polybutylene Terephthalate (PBT) material filled with 30% carbon fiber. It is available in Europe.

General Information			
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Molding Shrinkage	0.15 to 0.50	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	18000	MPa	ISO 527-2
Tensile Stress (Yield)	250	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	30	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	220	°C	ISO 75-2/B
Melting Temperature	225	°C	
Thermal Conductivity	0.48	W/m/K	ISO 8302
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3	ohms	IEC 60093

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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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