

GERMAMID 6.6 KF 20

Polyamide 66

Kunststoff-Kontor-Hamburg GmbH

Message:

GERMAMID 6.6 KF 20 is a Polyamide 66 (Nylon 66) material filled with 20% carbon fiber. It is available in Europe.

General Information			
Filler / Reinforcement	Carbon Fiber,20% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Molding Shrinkage	0.20 to 0.60	%	ISO 294-4
Water Absorption (Saturation, 23°C)	2.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	16000	MPa	ISO 527-2
Tensile Stress (Yield)	240	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Stress	330	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	16	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	35	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	250	°C	ISO 75-2/B
Melting Temperature	255	°C	
Thermal Conductivity	0.44	W/m/K	ISO 8302

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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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