

WELLAMID Nylon 6000 CF 30 HWCP

Polyamide 6

CP-Polymer-Technik GmbH & Co. KG

Message:

WELLAMID Nylon 6000 CF 30 HWCP is a Polyamide 6 (Nylon 6) material filled with 30% carbon fiber. It is available in Europe.

Important attributes of WELLAMID Nylon 6000 CF 30 HWCP are:

Flame Rated

Heat Stabilizer

General Information				
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight			
Additive	Heat Stabilizer			
Features	Heat Stabilized			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.25	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow : 4.00 mm	0.80	--	%	
Flow : 4.00 mm	0.20	--	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.8 to 2.3	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	21000	16000	MPa	ISO 527-2
Tensile Stress (Break)	200	140	MPa	ISO 527-2/5
Tensile Strain (Break)	1.5	3.5	%	ISO 527-2/5
Flexural Modulus	18500	--	MPa	DIN 52457
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	18	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	42	78	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	220	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	210	--	°C	ISO 75-2/A
Vicat Softening Temperature	200	--	°C	ISO 306/B50
Melting Temperature	215	--	°C	
CLTE - Flow (23 to 80°C)	2.5E-5	--	cm/cm/°C	DIN 53752
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	< 10	--	ohms	IEC 60093
Volume Resistivity	< 5.0	--	ohms·cm	IEC 60093
Flammability	Dry	Conditioned	Unit	Test Method

Flame Rating			UL 94
1.60 mm	HB	--	
3.20 mm	HB	--	
Injection	Dry	Unit	
Processing (Melt) Temp	260 to 290		°C
Mold Temperature	70.0 to 100		°C
Injection Rate	Moderate-Fast		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

