

WELLAMID Nylon 6000 CP

Polyamide 6

CP-Polymer-Technik GmbH & Co. KG

Message:

WELLAMID Nylon 6000 CP is a Polyamide 6 (Nylon 6) material. It is available in Europe. Primary attribute of WELLAMID Nylon 6000 CP: Flame Rated.
Typical application of WELLAMID Nylon 6000 CP: Automotive

General Information				
Physical	Dry	Conditioned	Unit	Test Method
Density	1.13	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow : 4.00 mm	0.80 to 1.2	--	%	
Flow : 4.00 mm	0.80 to 1.2	--	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	2.5 to 3.3	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3000	1100	MPa	ISO 527-2
Tensile Stress (Yield)	85.0	50.0	MPa	ISO 527-2/50
Tensile Strain				ISO 527-2/50
Yield	4.0	20	%	
Break	15	> 50	%	
Flexural Modulus	2500	--	MPa	DIN 52457
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	20	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break	No Break		ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	170	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0	--	°C	ISO 75-2/A
Vicat Softening Temperature	200	--	°C	ISO 306/B50
Melting Temperature	215	65.0	°C	
CLTE - Flow (23 to 80°C)	8.5E-5	--	cm/cm/°C	DIN 53752
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+12	ohms · cm	IEC 60093
Electric Strength	30	35	kV/mm	IEC 60243-1
Relative Permittivity (1 MHz)	3.50	7.00		IEC 60250

Dissipation Factor (1 MHz)	0.020	0.30		IEC 60250
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
1.60 mm	V-2	--		
3.20 mm	V-2	--		
Injection	Dry	Unit		
Processing (Melt) Temp	245 to 265		°C	
Mold Temperature	40.0 to 80.0		°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

