

WELLAMID Nylon 6000/58 HWUVCP

Polyamide 6

CP-Polymer-Technik GmbH & Co. KG

Message:

WELLAMID Nylon 6000/58 HWUVCP is a polyamide 6 (nylon 6) material. This product is available in Europe.

The main features of WELLAMID Nylon 6000/58 HWUVCP are:

- flame retardant/rated flame
- Impact modification
- heat stabilizer
- UV stability

General Information				
Additive		Impact modifier		
		heat stabilizer		
		UV stabilizer		
Features		UV Stabilized		
		Impact modification		
		Thermal Stability		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.06	--	g/cm ³	ISO 1183
Molding Shrinkage				
Transverse flow: 4.00mm	0.80 - 1.2	--	%	
Flow: 4.00mm	0.80 - 1.2	--	%	
Water Absorption (Saturation, 23°C)	2.5 - 3.3	--	%	DIN 53495
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2200	900	MPa	ISO 527-2
Tensile Stress (Yield)	50.0	35.0	MPa	ISO 527-2/50
Tensile Strain				ISO 527-2/50
Yield	5.0	30	%	ISO 527-2/50
Fracture	> 50	> 50	%	ISO 527-2/50
Flexural Modulus	1800	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	50 kJ/m ²	No Break		ISO 179
Charpy Unnotched Impact Strength				ISO 179
-40°C	No Break	--		ISO 179
23°C	No Break	No Break		ISO 179
Thermal	Dry	Conditioned	Unit	Test Method

Heat Deflection Temperature				
0.45 MPa, not annealed	100	--	°C	ISO 75-2/B
1.8 MPa, not annealed	45.0	--	°C	ISO 75-2/A
Vicat Softening Temperature	170	--	°C	ISO 306/B50
Melting Temperature	215	--	°C	
CLTE - Flow (23 to 80°C)	9.0E-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
Dielectric Strength	32	35	kV/mm	IEC 60243-1
Relative Permittivity (1 MHz)	3.50	6.00		IEC 60250
Dissipation Factor (1 MHz)	0.024	0.25		IEC 60250
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
1.6 mm	HB	HB		UL 94
3.2 mm	HB	HB		UL 94
Injection	Dry	Unit		
Processing (Melt) Temp	245 - 260		°C	
Mold Temperature	40 - 80		°C	
Injection Rate	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



WECHAT