

WELLAMID Nylon 6600 GV 25 DHCP

Polyamide 66

CP-Polymer-Technik GmbH & Co. KG

Message:

WELLAMID Nylon 6600 GV 25 DHCP is a Polyamide 66 (Nylon 66) material filled with 25% glass fiber. It is available in Europe.

Important attributes of WELLAMID Nylon 6600 GV 25 DHCP are:

- Flame Rated
- Heat Resistant
- Heat Stabilizer

General Information				
Filler / Reinforcement	Glass Fiber,25% Filler by Weight			
Additive	Heat Stabilizer			
Features	Good Heat Aging Resistance			
	Heat Stabilized			

Physical	Dry	Conditioned	Unit	Test Method
Density	1.32	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow : 4.00 mm	0.70	--	%	
Flow : 4.00 mm	0.20	--	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	2.0 to 2.5	--	%	ISO 62

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8200	6300	MPa	ISO 527-2
Tensile Stress (Break)	160	120	MPa	ISO 527-2/5
Tensile Strain (Break)	3.5	6.0	%	ISO 527-2/5
Flexural Modulus	7400	--	MPa	DIN 52457

Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	18	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	65	90	kJ/m ²	ISO 179

Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	250	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	250	--	°C	ISO 75-2/A
Vicat Softening Temperature	230	--	°C	ISO 306/B50
Melting Temperature	255	--	°C	
CLTE - Flow (23 to 80°C)	3.0E-5	--	cm/cm/°C	DIN 53752

Electrical	Dry	Conditioned	Unit	Test Method
------------	-----	-------------	------	-------------

Surface Resistivity	1.0E+12	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+12	ohms·cm	IEC 60093
Electric Strength	40	35	kV/mm	IEC 60243-1
Relative Permittivity (1 MHz)	4.00	6.00		IEC 60250
Dissipation Factor (1 MHz)	0.015	0.15		IEC 60250
Comparative Tracking Index	550	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
1.60 mm	HB	--		
3.20 mm	HB	--		
Injection	Dry	Unit		
Processing (Melt) Temp	265 to 295		°C	
Mold Temperature	70.0 to 90.0		°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

