

WELLAMID Nylon 6000 GS 30 HWCP

聚酰胺6

CP-Polymer-Technik GmbH & Co. KG



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Technical Data

总体

材料状态	• 已商用 : 当前有效
资料 ¹	• Technical Datasheet (English) • Processing (English)
搜索 UL 黄卡	• CP-Polymer-Technik GmbH & Co. KG • WELLAMID Nylon
供货地区	• 欧洲
填料/增强材料	• 玻璃珠, 30% 填料按重量
添加剂	• 热稳定剂
性能特点	• 热稳定性

物理性能	干燥	调节后的	单位制	测试方法
密度	1.35	--	g/cm ³	ISO 1183
收缩率				ISO 294-4
横向流量: 4.00 mm	0.80 到 1.0	--	%	
流量: 4.00 mm	0.80 到 1.0	--	%	
吸水率 (平衡, 23°C, 50% RH)	1.8 到 2.3	--	%	ISO 62

机械性能	干燥	调节后的	单位制	测试方法
拉伸模量	4500	2000	MPa	ISO 527-2
拉伸应力 (断裂)	80.0	50.0	MPa	ISO 527-2/5
拉伸应变 (断裂)	8.5	20	%	ISO 527-2/5
弯曲模量	4000	--	MPa	DIN 52457

冲击性能	干燥	调节后的	单位制	测试方法
简支梁缺口冲击强度 (23°C)	6.0	15	kJ/m ²	ISO 179
简支梁缺口冲击强度 (23°C)	30 kJ/m ²	无断裂		ISO 179

热性能	干燥	调节后的	单位制	测试方法
热变形温度				
0.45 MPa, 未退火	190	--	°C	ISO 75-2/B
1.8 MPa, 未退火	80.0	--	°C	ISO 75-2/A
维卡软化温度	200	--	°C	ISO 306/B50
熔融温度	215	--	°C	
线形膨胀系数 - 流动 (23 到 80°C)	0.000050	--	cm/cm/°C	DIN 53752

电气性能	干燥	调节后的	单位制	测试方法
表面电阻率	1.0E+12	1.0E+10	ohm	IEC 60093
体积电阻率	1.0E+15	1.0E+12	ohm·cm	IEC 60093
耐电强度	35	35	kV/mm	IEC 60243-1
相对电容率 (1 MHz)	4.00	6.00		IEC 60250
耗散因数 (1 MHz)	0.020	0.20		IEC 60250
漏电起痕指数	450	--	V	IEC 60112

可燃性	干燥	调节后的	单位制	测试方法
UL 阻燃等级				UL 94
1.60 mm	HB	--		
3.20 mm	HB	--		

注射

	干燥	单位制
加工 (熔体) 温度	250 到 270 °C	
模具温度	60.0 到 90.0 °C	
注射速度	中等	

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备注

¹ 通过这些链接您能够访问供应商资料。我们尽量保证及时更新资料；不过您可以从供应商处了解最新资料。

² 一般属性：这些不能被视为规格。

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购买地点

供应商

WELLAMID Nylon 6000 GS 30 HWCP

CP-Polymer-Technik GmbH & Co. KG

Ritterhude, Germany

电话: +49 4292 81670 0

Web: <http://www.cp-polymer-technik.com/>

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分销商

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GAZECHIM PLASTIQUES

GAZECHIM PLASTIQUES is a Pan European distribution company. Contact GAZECHIM PLASTIQUES for availability of individual products by country.

电话: +33-4-67-49-55-37

Web: <http://www.gazechim.com/>

可用性: Denmark, Finland, Norway, Sweden

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