

Genestar™ G1300H

聚酰胺 9T  
Kuraray America, Inc.

Technical Data

总体			
材料状态	• 已商用：当前有效		
资料 <sup>1</sup>	• Processing - Injection Molding (English) • Technical Datasheet (English)		
UL 黄卡 <sup>2</sup>	• E90350-252511		
搜索 UL 黄卡	• Kuraray America, Inc. • Genestar™		
供货地区	• 北美洲		
填料/增强材料	• 玻璃纤维增强材料, 30% 填料按重量		
形式	• 颗粒料		
物理性能	额定值 (英制)	额定值 (公制)	测试方法
比重	1.37	1.37 g/cm³	No Standard
熔流率 (320°C/2.16 kg)	45 g/10 min	45 g/10 min	ASTM D1238
收缩率			No Standard
流动: 0.0394 in (1.00 mm)	0.0020 in/in	0.20 %	
横向流动: 0.0394 in (1.00 mm)	0.0080 in/in	0.80 %	
吸水率 <sup>4</sup> (饱和, 104°F (40°C))	1.6 %	1.6 %	No Standard
机械性能	额定值 (英制)	额定值 (公制)	测试方法
抗张强度	23200 psi	160 MPa	ASTM D638
伸长率 (断裂)	4.0 %	4.0 %	ASTM D638
弯曲模量	1.23E+6 psi	8500 MPa	ASTM D790
弯曲强度	29700 psi	205 MPa	ASTM D790
冲击性能	额定值 (英制)	额定值 (公制)	测试方法
悬壁梁缺口冲击强度	2.0 ft-lb/in	110 J/m	ASTM D256
热性能	额定值 (英制)	额定值 (公制)	测试方法
热变形温度 (264 psi (1.8 MPa), 未退火)	554 °F	290 °C	ASTM D648
玻璃转化温度(DSC)	257 °F	125 °C	No Standard
熔融温度	583 °F	306 °C	
电气性能	额定值 (英制)	额定值 (公制)	测试方法
体积电阻率	1.0E+16 ohm·cm	1.0E+16 ohm·cm	ASTM D257
介电强度	760 V/mil	30 kV/mm	ASTM D149
相对电容率 (10.0 GHz)	3.30	3.30	ASTM D150
耗散因数 (10.0 GHz)	0.0090	0.0090	ASTM D150
相比耐漏电起痕指数(CTI)	PLC 0	PLC 0	UL 746
可燃性	额定值 (英制)	额定值 (公制)	测试方法
UL 阻燃等级	HB	HB	UL 94
补充信息	额定值 (英制)	额定值 (公制)	测试方法
Bar Flow Length <sup>5</sup>			
608°F (320°C), 19.7 mil (500.0 μm)	2.1 in	5.30 cm	
Weld Elongation	0.60 %	0.60 %	ASTM D638
Weld Strength	6527 psi	45.0 MPa	ASTM D638

备注

<sup>1</sup> 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。

<sup>2</sup> UL 黄卡含有 UL 验证的易燃性和电气特性。UL IDES 持续努力在 Prospector 中将黄卡链接至单个塑料材料，然而此列表可能未包括所有相应链接。重要的是，我们对 Prospector 中找到的这些黄卡和塑料材料之间的关联进行验证。如需完整的黄卡列表，请访问 UL 黄卡搜索。

<sup>3</sup> 一般属性：这些不能被视为规格。

<sup>4</sup> 90%RH, 96 hrs

<sup>5</sup> 750 kgf

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ides.com/prospector

## 购买地点

### 供应商

Kuraray America, Inc.

, TX USA

电话: 713-495-7311

Web: <http://www.kuraray-am.com/>

### 分销商

请联系供应商以便为 Genestar™ G1300H 查找分销商



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