

# Lupoy® GN5008HF

丙烯腈丁二烯苯乙烯+聚碳酸酯  
LG Chem Ltd.



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## Technical Data

### 产品说明

Description  
Halogen Free Flame Retardant, High Flow, High Impact

Application  
E&E(OA, Navigation Housing)

### 总体

材料状态	• 已商用：当前有效
资料 <sup>1</sup>	• <a href="#">Processing - Injection Molding Guide (English)</a> • <a href="#">Technical Datasheet (English)</a>
UL 黄卡 <sup>2</sup>	• E302314-530054 • E67171-248472 • E248280-100450567 • E353371-101107277
搜索 UL 黄卡	• LG Chem Ltd. • Lupoy®
供货地区	• 北美洲 • 南美洲 • 欧洲 • 亚太地区
性能特点	• 抗撞击性，高 • 流动性高 • 无卤 • 阻燃性能
用途	• 电气/电子应用领域
加工方法	• 注射成型

物理性能	额定值	单位制	测试方法
比重	1.18	g/cm <sup>3</sup>	ASTM D792
熔速率 (250°C/2.16 kg)	18	g/10 min	ASTM D1238
收缩率 - 流动 (3.20 mm)	0.40 到 0.60	%	ASTM D955
机械性能	额定值	单位制	测试方法
抗张强度 <sup>4</sup> (屈服, 3.20 mm)	58.8	MPa	ASTM D638
伸长率 <sup>4</sup> (断裂, 3.20 mm)	50	%	ASTM D638
弯曲模量 <sup>5</sup> (3.20 mm)	2450	MPa	ASTM D790
弯曲强度 <sup>5</sup> (屈服, 3.20 mm)	84.3	MPa	ASTM D790
冲击性能	额定值	单位制	测试方法
悬壁梁缺口冲击强度 (23°C, 3.20 mm)	340	J/m	ASTM D256
硬度	额定值	单位制	测试方法
洛氏硬度 (R 计秤)	113		ASTM D785
热性能	额定值	单位制	测试方法
热变形温度 <sup>6</sup> (0.45 MPa, 未退火, 6.40 mm)	88.0	°C	ASTM D648
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746
可燃性	额定值	单位制	测试方法
UL 阻燃等级			UL 94
2.50 mm	V-0		
3.00 mm	V-0		
注射	额定值	单位制	
干燥温度	75.0 到 85.0	°C	
干燥时间	3.0 到 5.0	hr	
建议的最大水分含量	< 0.020	%	
螺筒后部温度	220 到 240	°C	

注射	额定值 单位制
螺筒中部温度	235 到 255 °C
螺筒前部温度	250 到 265 °C
射嘴温度	250 到 265 °C
加工 (熔体) 温度	235 到 265 °C
模具温度	50.0 到 80.0 °C
背压	0.0196 到 0.0588 MPa
螺杆转速	40 到 70 rpm

#### 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> 50 mm/min

<sup>5</sup> 10 mm/min

<sup>6</sup> 4.6kg

## 购买地点

### 供应商

#### LG Chem Ltd.

Englewood Cliffs, NJ USA  
电话: 201-816-2302  
Web: <http://www.chemwide.com/>

### 分销商

#### Biesterfeld Plastic GmbH

Biesterfeld Plastic GmbH is a Pan European distribution company. Contact Biesterfeld Plastic GmbH for availability of individual products by country.

电话: +49-40-32008-0

Web: <http://www.biesterfeld-plastic.com/>

可用性: Algeria, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Egypt, Faroe Islands, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Libyan Arab Jamahiriya, Luxembourg, Mauritania, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom

#### 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: Italy

#### Resin Resource, Inc.

电话: 877-652-3431

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

可用性: North America

#### RESINEX Group

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

电话: +32-14-672511

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

可用性: Europe

#### Southland Polymers

电话: 562-921-0444

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

可用性: Canada, Mexico, South America, United States



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Prospector is a searchable online database that includes 85,000 data sheets from 875 manufacturers and 44,000 UL yellow cards. Each data sheet includes property, processing and supplier contact information. Prospector is relied on by nearly 400,000 design engineers and plastics processors. Using Prospector, they save time with plastic material selection by quickly and easily referencing technical information critical to the success of their products.

"Prospector is absolutely the best and most well-known search engine for plastic raw materials in the world. We use Prospector every day – it's a real time saver!"  
– Birgit Elvardt Bader, Production Manager, Micoctron

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- Alternative Resins Search** – find replacement plastics within minutes.
- Automotive Plastics Search** – easily locate automotive approved plastics.
- Curve Data** – view, overlay and export curve data.



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– Kevin Chase, Owner & President, Chase Plastics



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