

# LG ABS AF312C

丙烯腈丁二烯苯乙烯  
LG Chem Ltd.



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## Technical Data

### 产品说明

Description  
Flame Retardant

Application  
Electric/Electronic Applications(TV, Monitor Housing)  
IT/OA device

### 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>	• E67171-248339 • E248280-462775
搜索 UL 黄卡	• <a href="#">LG Chem Ltd.</a> • <a href="#">LG ABS</a>
供货地区	• 北美洲 • 南美洲 • 欧洲 • 亚太地区
性能特点	• 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
熔流率 (220°C/10.0 kg)	53	g/10 min	ASTM D1238
收缩率 - 流动 (3.20 mm)	0.40 到 0.70	%	ASTM D955
机械性能	额定值	单位制	测试方法
拉伸模量 <sup>4</sup> (3.20 mm)	2160	MPa	ASTM D638
抗张强度 <sup>5</sup> (屈服, 3.20 mm)	42.2	MPa	ASTM D638
伸长率 <sup>5</sup>			ASTM D638
屈服, 3.20 mm	5.0	%	
断裂, 3.20 mm	20	%	
弯曲模量 <sup>6</sup> (6.40 mm)	2550	MPa	ASTM D790
弯曲强度 <sup>6</sup> (屈服, 6.40 mm)	70.6	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			ASTM D256
-30°C, 3.20 mm	78	J/m	
-30°C, 6.40 mm	78	J/m	
23°C, 3.20 mm	250	J/m	
23°C, 6.40 mm	250	J/m	
硬度	额定值	单位制	测试方法
洛氏硬度 (R 计秤)	103		ASTM D785
热性能	额定值	单位制	测试方法
热变形温度			ASTM D648
0.45 MPa, 未退火, 6.40 mm <sup>7</sup>	84.0	°C	
0.45 MPa, 未退火, 6.40 mm <sup>8</sup>	76.0	°C	
维卡软化温度	84.0	°C	ASTM D1525 <sup>9</sup>
RTI Elec	80.0	°C	UL 746
RTI Imp	70.0	°C	UL 746
RTI Str	80.0	°C	UL 746

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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	70.0 到 80.0 °C
干燥时间	2.0 到 4.0 hr
建议的最大水分含量	< 0.010 %
螺筒后部温度	170 到 190 °C
螺筒中部温度	180 到 200 °C
螺筒前部温度	190 到 210 °C
射嘴温度	200 到 230 °C
加工 (熔体) 温度	200 到 230 °C
模具温度	40.0 到 60.0 °C
背压	0.490 到 0.981 MPa
螺杆转速	30 到 60 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> 1.0 mm/min

<sup>5</sup> 50 mm/min

<sup>6</sup> 15 mm/min

<sup>7</sup> 4.6kg

<sup>8</sup> 18.6kg

<sup>9</sup> 标准 A (50°C/h), 压力2 (50N)

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### 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, Egypt, France, Germany, Greece, Hungary, Ireland, Italy, Libyan Arab Jamahiriya, Luxembourg, Mauritania, Morocco, Netherlands, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland, Turkey, United Kingdom

##### Polymer Technology & Services, LLC

电话: 800-475-1701

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

可用性: North America

##### Primeline Polymers

电话: 714-745-3617

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

可用性: North America

##### Resin Resource, Inc.

电话: 877-652-3431

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

可用性: North America

##### RESINEX Group

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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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