

Technical Data

产品说明

Hybrid S459 是一种 丙烯腈丁二烯苯乙烯+聚碳酸酯(ABS+PC) 产品。它 可以通过 注射成型 进行处理，且可以在 北美洲中获得。典型应用：
汽车行业。

- 特性包括：
- 阻燃/额定火焰
 - 通过 ROHS 认证

总体

材料状态	• 已商用：当前有效
资料 ¹	• Processing - Hybrid PC/ABS (English) • Technical Datasheet
UL 黄卡 ²	• E157012-224000
搜索 UL 黄卡	• Ravago Manufacturing Americas, LLC • Hybrid
供货地区	• 北美洲
性能特点	• 一般目的
用途	• 一般目的
RoHS 合规性	• RoHS 合规
UL 档案号	• E157012
形式	• 颗粒料
加工方法	• 注射成型

物理性能	额定值 单位制	测试方法
比重	1.11 g/cm³	ASTM D792 ISO 1183
熔流率		ASTM D1238
230°C/3.8 kg	2.7 g/10 min	
260°C/2.16 kg	5.7 g/10 min	
260°C/5.0 kg	20 g/10 min	
溶化体积流率 (MVR)		ISO 1133
230°C/3.8 kg	2.40 cm³/10min	
260°C/2.16 kg	5.10 cm³/10min	
260°C/5.0 kg	18.0 cm³/10min	
收缩率		
流动	0.50 到 0.70 %	ASTM D955
流量	0.50 到 0.70 %	ISO 294-4
吸水率 (24 hr)	0.090 %	ASTM D570

机械性能	额定值 单位制	测试方法
抗张强度		
屈服, 23°C	52.4 MPa	ASTM D638
屈服, 23°C	52.0 MPa	ISO 527-2
伸长率 (断裂, 23°C)	50 %	ASTM D638 ISO 527-2
弯曲模量		
23°C	2340 MPa	ASTM D790
23°C	2250 MPa	ISO 178
弯曲强度 (屈服, 23°C)	72.4 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	560 J/m	ASTM D256
23°C	39 kJ/m²	ISO 180



热性能	额定值 单位制	测试方法
热变形温度		
0.45 MPa, 未退火	120 °C	ASTM D648
0.45 MPa, 未退火	122 °C	ISO 75-2/B
1.8 MPa, 未退火	100 °C	ASTM D648
1.8 MPa, 未退火	103 °C	ISO 75-2/A
可燃性	额定值 单位制	测试方法
UL 阻燃等级 (1.50 mm)	HB	UL 94
注射	额定值 单位制	
干燥温度	104 到 110 °C	
干燥时间	2.0 到 4.0 hr	
干燥时间, 最大	10 hr	
建议的最大水分含量	0.040 %	
建议注入量	40 到 80 %	
螺筒后部温度	232 到 243 °C	
螺筒中部温度	238 到 260 °C	
螺筒前部温度	243 到 271 °C	
射嘴温度	243 到 271 °C	
模具温度	65.6 到 82.2 °C	
注塑温度	5.52 到 12.4 MPa	
注射速度	中等	
背压	0.345 到 1.03 MPa	
螺杆转速	40 到 60 rpm	

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 UL 黄卡含有 UL 验证的易燃性和电气特性。UL Prospector 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。
- ³ 一般属性：这些不能被视为规格。



Hybrid S459

丙烯腈丁二烯苯乙烯+聚碳酸酯

Ravago Manufacturing Americas, LLC

PROSPECTOR®

www.ulprospector.com

购买地点

供应商

Ravago Manufacturing Americas, LLC

Manchester, TN USA

电话: 800-459-7009

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

分销商

Amco Polymers

电话: 800-262-6685

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

供货地区: North America

Channel Prime Alliance

电话: 800-247-8038

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

供货地区: North America

Entec Polymers

电话: 800-375-5440

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

供货地区: North America



PROSPECTOR®

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