

Technical Data

产品说明

EL-Pro P722JO is an impact copolymer polypropylene resin which contains UV stabilizer. This resin is recommended for producing battery case from injection molding process.

总体

材料状态	• 已商用 : 当前有效		
资料 1	• Technical Datasheet (English)		
供货地区	• 北美洲	• 亚太地区	
添加剂	• 紫外线稳定剂		
性能特点	• 尺寸稳定性良好 • 刚性, 高 • 抗冲共聚物	• 抗撞击性, 高 • 抗紫外线性能良好 • 可加工性, 良好	• 食品接触的合规性
用途	• 电池盒 • 电气部件		
机构评级	• FDA 21 CFR 177.1520		
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
密度	0.910 g/cm ³		ASTM D1505
熔流率 (230°C/2.16 kg)	10 g/10 min		ASTM D1238
收缩率			ASTM D955
流动: 2.00 mm	1.5 %		
横向流动: 2.00 mm	1.4 %		
机械性能	额定值	单位制	测试方法
抗张强度 ³			ASTM D638
屈服	29.4 MPa		
断裂	17.7 MPa		
伸长率 ³ (断裂)	200 %		ASTM D638
弯曲模量	1270 MPa		ASTM D790
冲击性能	额定值	单位制	测试方法
悬臂梁缺口冲击强度			ASTM D256
-20°C	49 J/m		
0°C	69 J/m		
23°C	98 J/m		
硬度	额定值	单位制	测试方法
洛氏硬度 (R 计秤)	75		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	110 °C		
1.8 MPa, 未退火	55.0 °C		
脆化温度	-20.0 °C		ASTM D746
维卡软化温度	150 °C		ASTM D1525
熔融温度	120 到 163 °C		ASTM D2117
可燃性	额定值	单位制	测试方法
UL 阻燃等级	HB		UL 94
光学性能	额定值	单位制	测试方法
光泽度	30		ASTM D2457
雾度	80 %		ASTM D1003

注射**额定值 单位制**

加工 (熔体) 温度	230 到 270 °C
模具温度	25.0 到 70.0 °C
注射速度	快速
螺杆转速	40 到 70 rpm

注射说明

Injection Pressure: 40 to 80% of max. pressure
 Packing and Holding Pressure: 30 to 60% of max. pressure
 Back Pressure: 10% of max. pressure

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。

³ 50 mm/min

购买地点**Supplier****SCG Chemicals Co., Ltd.**

Bangkok, Thailand

Telephone: 66-2586-4184**Web:** <http://www.siamcement.com>**Distributor****Calsak Polymers****Telephone:** 800-743-2595**Web:** <http://www.calsakpolymers.com/>**Availability:** North America



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