

Technical Data

总体

材料状态	• 已商用：当前有效		
资料 ¹	• Technical Datasheet (English) • Processing - Extrusion (English) • Processing - Injection (English) • Processing - Drying (English)		
UL 黄卡 ²	• E215991-229326		
搜索 UL 黄卡	• SK Chemicals		
供货地区	• 北美洲	• 欧洲	• 亚太地区
性能特点	• 光泽，高 • 极佳的可印刷性 • 可焊接	• 可回收材料 • 可加工性，良好 • 耐化学性良好	• 韧性良好 • 生产阶段，快 • 无毒性
用途	• 包装 • 薄膜	• 片材 • 瓶子	• 容器 • 玩具
UL 档案号	• E215991		
外观	• 清晰/透明		
形式	• 颗粒料		
加工方法	• 薄膜挤出 • 挤出吹塑成型	• 片材挤出成型 • 热成型	• 注射成型

物理性能	额定值	单位制	测试方法
比重	1.27 g/cm³		ASTM D792
收缩率 - 流动	0.30 到 0.60 %		ASTM D955
吸水率 (24 hr)	0.20 %		ASTM D570
机械性能	额定值	单位制	测试方法
抗张强度			ASTM D638
屈服	50.0 MPa		
断裂	28.0 MPa		
伸长率 (断裂)	140 %		ASTM D638
弯曲模量	2100 MPa		ASTM D790
弯曲强度 (屈服)	73.0 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)	100 J/m		ASTM D256
硬度	额定值	单位制	测试方法
洛氏硬度 (R 计秤)	110		ASTM D785
热性能	额定值	单位制	测试方法
热变形温度 (0.45 MPa, 未退火)	70.0 °C		ASTM D648
玻璃转化温度(DSC)	80.0 °C		DSC
维卡软化温度	83.0 °C		ASTM D1525 ⁴
电气性能	额定值	单位制	测试方法
体积电阻率	1.0E+15 ohm·cm		ASTM D257
介电强度 ⁵	15 kV/mm		ASTM D149
介电常数 (1 MHz)	2.50		ASTM D150
耗散因数 (1 MHz)	0.023		ASTM D150
光学性能	额定值	单位制	测试方法
透射率	91.0 %		ASTM D1003
雾度	< 1.0 %		ASTM D1003
注射	额定值	单位制	
干燥温度	65.0 °C		

注射	额定值 单位制
干燥时间	6.0 到 12 hr
Dew Point	< -30.0 °C
建议的最大水分含量	< 0.050 %
螺筒后部温度	240 °C
螺筒中部温度	245 °C
螺筒前部温度	245 °C
射嘴温度	245 °C
模具温度	15.0 到 40.0 °C
注射速度	中等偏慢
背压	0.300 到 1.00 MPa
螺杆转速	50 到 100 rpm
垫层	3.00 到 13.0 mm
螺杆长径比	18.0:1.0 to 20.0:1.0
螺杆压缩比	2.5:1.0 到 3.5:1.0
挤出	额定值 单位制
干燥温度	65.0 °C
干燥时间	6.0 到 12 hr
建议的最大水分含量	< 0.050 %
第1气缸区温度	180 °C
第2气缸区温度	245 °C
第3气缸区温度	265 °C
第4气缸区温度	260 °C
第5气缸区温度	240 °C
连接器温度	265 °C
熔体温度	245 °C
模具温度	247 °C
挤压说明	
General Guideline	
• Extruder: 45 mm single screw extruder • L/D: 30:1 • Screen Pack: 25/50/25 mesh arrangement • Screw Speed: 100 rpm • Vacuum: 40 mbar • Sheet thickness: 6 mm	
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 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。	
³ 一般属性：这些不能被视为规格。	
⁴ 压 力1 (10N)	
⁵ 500 V/sec, 方法A (短时间)	

SKYGREEN® K2012

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SK Chemicals

购买地点

供应商

SK Chemicals

New York , NY USA

电话: 212-583-2430

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

分销商

Southland Polymers

电话: 562-921-0444

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

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

VELOX GmbH

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

电话: +49-40-369-6880

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

可用性: Europe



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– Birgit Elvardt Bader, Production Manager, Micotron

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