

LEXAN* EX1632T Resin

聚碳酸酯

SABIC Innovative Plastics Europe



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Technical Data

产品说明

LEXAN* EX1632T polycarbonate resin, MVR (300C/1.2kg) 6 cm³/10min, high viscosity, branched, extrusion, mold release, UV stabilized, transparent, translucent and opaque colors. Multiwall sheet, Profiles.

总体

材料状态	• 已商用 : 当前有效
资料 ¹	• Brochure - Chemical Compatibility Guide (English) • Technical Datasheet
UL 黄卡 ²	• E45329-100753449
搜索 UL 黄卡	• SABIC Innovative Plastics Europe • LEXAN*
供货地区	• 欧洲
添加剂	• 脱模 • 紫外线稳定剂
性能特点	• 粘度, 高 • 支化高分子结构
用途	• 片材 • 型材
RoHS 合规性	• RoHS 合规
外观	• 半透明 • 不透明 • 可用颜色 • 清晰/透明
加工方法	• 片材挤出成型

物理性能	额定值 单位制	测试方法
密度	1.20 g/cm ³	ISO 1183
溶化体积流率 (MVR)		ISO 1133
300°C/1.2 kg	6.00 cm ³ /10min	
300°C/2.16 kg	11.0 cm ³ /10min	
收缩率 - 流动 (3.20 mm)	0.50 到 0.70 %	Internal Method
吸水率		ISO 62
饱和, 23°C	0.35 %	
平衡, 23°C, 50% RH	0.15 %	
机械性能	额定值 单位制	测试方法
拉伸模量	2350 MPa	ISO 527-2/1
拉伸应力		ISO 527-2/50
屈服	65.0 MPa	
断裂	70.0 MPa	
拉伸应变		ISO 527-2/50
屈服	7.0 %	
断裂	> 70 %	
弯曲模量 ⁴	2300 MPa	ISO 178
弯曲强度 ^{4, 5}	95.0 MPa	ISO 178
冲击性能	额定值 单位制	测试方法
简支梁缺口冲击强度 ⁶		ISO 179/1eA
-30°C	50 kJ/m ²	
23°C	70 kJ/m ²	
简支梁缺口冲击强度 ⁶		ISO 179/1eU
-30°C	无断裂	
23°C	无断裂	
悬壁梁缺口冲击强度 ⁷		ISO 180/1A
-30°C	55 kJ/m ²	
23°C	75 kJ/m ²	

冲击性能	额定值	单位制	测试方法
无缺口伊佐德冲击强度 ⁷			ISO 180/1U
-30°C	无断裂		
23°C	无断裂		
热性能	额定值	单位制	测试方法
热变形温度 ⁸ (1.8 MPa, 未退火, 64.0 mm 跨距)	130 °C		ISO 75-2/Af
维卡软化温度			
--	149 °C		ISO 306/B50
--	150 °C		ISO 306/B120
Ball Pressure Test (125°C)	Pass		IEC 60695-10-2
线形膨胀系数			ISO 11359-2
流动: 23 到 80°C	0.000070 cm/cm/°C		
横向: -40 到 40°C	0.000070 cm/cm/°C		
导热系数	0.20 W/m/K		ISO 8302
可燃性	额定值	单位制	测试方法
UL 阻燃等级			UL 94
0.800 mm	HB		
3.00 mm	HB		
灼热丝易燃指数 (1.00 mm)	850 °C		IEC 60695-2-12
挤出	额定值	单位制	
干燥温度	120 °C		
干燥时间	2.0 到 4.0 hr		
料筒温度	100 到 120 °C		
第1气缸区温度	240 到 270 °C		
第2气缸区温度	240 到 270 °C		
第3气缸区温度	240 到 270 °C		
连接器温度	220 到 260 °C		
熔体温度	220 到 280 °C		
模具温度	220 到 280 °C		
校准温度, 首次	50.0 到 100 °C		

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 2.0 mm/min

⁵ Yield

⁶ 80*10*3 sp=62mm

⁷ 80*10*3

⁸ 80*10*4 mm

购买地点

供应商

SABIC Innovative Plastics Europe
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电话: +36-1-238-5060
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分销商

Polymix
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