

PC LEXAN EXL1414 沙伯基础 (-40 C) 超韧，耐低温冲击，华南代理

产品名称	PC LEXAN EXL1414 沙伯基础 (-40 C) 超韧，耐低温冲击，华南代理
公司名称	深圳市嘉誉鑫科技有限公司
价格	38.00/千克
规格参数	沙伯基础:PC 1414:耐寒(-40 C) 美国:沙伯基础 (原GE)
公司地址	深圳市龙华区大浪街道高峰社区长燊大厦3层
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产品详情

LEXAN EXL1414 PC 基础创新塑料(美国)

等级：注塑级 颜色：暂无

特性：易加工性、流动性中等、延展性、共聚物、脱模性能良好

应用领域：电气领域、电子领域、通用

LEXAN EXL1414 resin

Polycarbonate

SABIC Innovative Plastics

产品说明：

LEXAN EXL1414 polycarbonate (PC) siloxane copolymer resin is a medium flow opaque injection molding (IM) grade. This resin offers extreme low temperature (-40 C) ductility in combination with excellent processability and release with opportunities for shorter IM cycle times compared to standard PC. LEXAN EXL1414 resin is a product available in wide range of opaque colors and may be an excellent candidate for a wide variety of applications.

以下是PC(聚碳酸酯)FXE1414T/沙伯基础(SABIC)物性表参数

PROPERTIES TYPICAL VALUES UNIT TEST METHODS FLAME CHARACTERISTICS 1) UL Yellow Card
Link E45329-519321--UL Recognized, 94V-2 Flame Class Rating 3mm UL 94UL Recognized, 94HB Flame Class
Rating 0.4mm UL 94Glow Wire Ignitability Temperature, 3.0 mm 875 ° C IEC 60695-2-13Glow Wire Ignitability

Temperature, 2.5 mm875 ° CIEC 60695-2-13Glow Wire Ignitability Temperature, 1.5 mm875 ° CIEC 60695-2-13Glow Wire Ignitability Temperature, 1.0 mm875 ° CIEC 60695-2-13Glow Wire Ignitability Temperature, 0.8 mm850 ° CIEC 60695-2-13Glow Wire Flammability Index, 3.0 mm960 ° CIEC 60695-2-12Glow Wire Flammability Index, 2.5 mm960 ° CIEC 60695-2-12Glow Wire Flammability Index, 1.5 mm960 ° CIEC 60695-2-12Glow Wire Flammability Index, 1.0 mm960 ° CIEC 60695-2-12Glow Wire Flammability Index, 0.8 mm825 ° CIEC 60695-2-12MECHANICALTensile Stress, yld, Type I, 50 mm/min57MPaASTM D 638Tensile Stress, brk, Type I, 50 mm/min59MPaASTM D 638Tensile Strain, yld, Type I, 50 mm/min5.6%ASTM D 638Tensile Strain, brk, Type I, 50 mm/min123.9%ASTM D 638Tensile Modulus, 50 mm/min2180MPaASTM D 638Flexural Stress, yld, 1.3 mm/min, 50 mm span92MPaASTM D 790Flexural Modulus, 1.3 mm/min, 50 mm span2180MPaASTM D 790Tensile Stress, yield, 50 mm/min56MPaISO 527Tensile Stress, break, 50 mm/min55MPaISO 527Tensile Strain, yield, 50 mm/min5.4%ISO 527Tensile Strain, break, 50 mm/min108.5%ISO 527Tensile Modulus, 1 mm/min2300MPaISO 527Flexural Stress, yield, 2 mm/min88MPaISO 178Flexural Modulus, 2 mm/min2120MPaISO 178IMPACTIzod Impact, notched, 23 ° C824J/mASTM D 256Izod Impact, notched, -30 ° C712J/mASTM D 256Instrumented Impact Total Energy, 23 ° C75JASTM D 3763Izod Impact, unnotched 80*10*3 +23 ° CNBkJ/mISO 180/1UIzod Impact, unnotched 80*10*3 -30 ° CNBkJ/mISO 180/1UIzod Impact, notched 80*10*3 +23 ° C65kJ/mISO 180/1AIzod Impact, notched 80*10*3 -30 ° C55kJ/mISO 180/1ACharpy 23 ° C, V-notch Edgew 80*10*3 sp=62mm70kJ/mISO 179/1eACharpy -30 ° C, V-notch Edgew 80*10*3 sp=62mm60kJ/mISO 179/1eACharpy 23 ° C, Unnotch Edgew 80*10*3 sp=62mmNBkJ/mISO 179/1eUCharpy -30 ° C, Unnotch Edgew 80*10*3 sp=62mmNBkJ/mISO 179/1eUTHERMALVicat Softening Temp, Rate A/50138 ° CASTM D 1525HDT, 1.82 MPa, 3.2mm, unannealed120 ° CASTM D 648CTE, -40 ° C to 95 ° C, flow6.7E-051/ ° CASTM E 831CTE, -40 ° C to 95 ° C, xflow8.E-051/ ° CASTM E 831CTE, 23 ° C to 80 ° C, flow6.7E-051/ ° CISO 11359-2CTE, 23 ° C to 80 ° C, xflow8.E-051/ ° CISO 11359-2Ball Pressure Test, 125 ° C +/- 2 ° Cpass-IEC 60695-10-2Vicat Softening Temp, Rate B/50138 ° CISO 306Vicat Softening Temp, Rate B/120139 ° CISO 306HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm118 ° CISO 75/AfRelative Temp Index, Elec1)130 ° CUL 746BRelative Temp Index, Mech w/impact1)120 ° CUL 746BRelative Temp Index, Mech w/o impact1)130 ° CUL 746BPHYSICALSpecific Gravity1.19-ASTM D 792Mold Shrinkage, flow, 3.2 mm0.4-0.8%SABIC methodMelt Flow Rate, 300 ° C/1.2 kgf10g/10 minASTM D 1238Density1.19g/cmISO 1183Water Absorption, (23 ° C/saturated)0.13%ISO 62-1Moisture Absorption (23 ° C / 50% RH)0.09%ISO 62Melt Volume Rate, MVR at 300 ° C/1.2 kg9cm/10 minISO 1133ELECTRICALComparative Tracking Index (UL {PLC}3PLC CodeUL 746AHot-Wire Ignition (HWI), PLC 2 3mmUL 746AHot-Wire Ignition (HWI), PLC 3 1.5mmUL 746AHigh Amp Arc Ignition (HAI), PLC 1 1.5mmUL 746AInjection MoldingDrying Temperature120 ° CDrying Time3-4hrsDrying Time (Cumulative)48hrsMaximum Moisture Content0.02%Melt Temperature295-315 ° CNozzle Temperature290-310 ° CFront - Zone 3 Temperature295-315 ° CMiddle - Zone 2 Temperature280-305 ° CRear - Zone 1 Temperature270-295 ° CMold Temperature70-95 ° CBack Pressure0.3-0.7MPaScrew Speed40-70rpmShot to Cylinder Size40-60%Vent Depth0.025-0.076mm

PC树脂具有独特的综合特性，适合诸多市场的不同应用，包括照明、医疗、消费电子产品和电器等，可在透明度、耐热性和耐冲击性之间实现搭配。它们可以提供不同的熔融流率与色调，并且可以使用添加剂进行改性，以提高特定的性能特性，包括阻燃性、耐紫外安定性、挺度、透光度、颜色以及脱模性能，使用专有生产工艺进行生产，使材料能够在较宽的温度范围内保持极高的延展性和韧性，PC产品具备玻璃的透明度、橡胶的弹性和触感、钢材的强度以及铝材的轻质优势。PC塑料具有绝缘和抗紫外线特性，专为美观、安全、坚固且持久的应用而设计。比如在建筑领域，建筑师、工程师和建筑拥有人一直寻找在一些方法，即可在无需影响风格的前提下，提升结构和标牌的安全性、强度和可持续性。另外，能效和可持续性的目标继续驱动建筑施工行业中更严格的监管、实践和创新。并且具有前瞻思维，为您将来对高质量、节能建材产品的需求进行设想和规划。这样一来PC成为了理想的选择，PC建筑领域主要应用包括；透明屋顶和玻璃门窗，工业标牌和道路标线飓风挡风板隔热，卫生浴缸衬垫和淋浴盆，窗框和配件，用于地下/墙内管道、水龙头和配件的密封剂，污水系统检查室，用于屋顶下表面、通风系统和烟囪的绝缘密封系统。