

## Technical Data

## 产品说明

High Heat Resistance, High Flow, Low warpage  
Color No. VF2201/BK210P

## 总体

材料状态	• 已商用：当前有效
资料 <sup>1</sup>	• Technical Datasheet (English) • Technical Datasheet (English)
UL 黄卡 <sup>2</sup>	• E106764-218447
搜索 UL 黄卡	• Polyplastics Co., Ltd. • Vectra®
供货地区	• 欧洲 • 亚太地区
填料/增强材料	• 玻璃\矿物, 35% 填料按重量
性能特点	• 低翘曲性 • 流动性高 • 耐热性, 高
UL 档案号	• E106764
部件标识代码 (ISO 11469)	• >LCP-(GF+MD)35<

物理性能	额定值 (英制)	额定值 (公制)	测试方法
密度	1.67 g/cm <sup>3</sup>	1.67 g/cm <sup>3</sup>	ISO 1183
收缩率 <sup>4</sup>			No Standard
横向流量: 0.0394 in (1.00 mm)	0.43 %	0.43 %	
流量: 0.0394 in (1.00 mm)	0.060 %	0.060 %	
吸水率 (73°F (23°C), 24 hr)	0.030 %	0.030 %	ISO 62
机械性能	额定值 (英制)	额定值 (公制)	测试方法
抗张强度	20300 psi	140 MPa	ASTM D638
伸长率 (断裂)	2.3 %	2.3 %	ASTM D638
弯曲模量	1.96E+6 psi	13500 MPa	ISO 178
弯曲强度	28300 psi	195 MPa	ISO 178
弯曲应变	2.5 %	2.5 %	ISO 178
冲击性能	额定值 (英制)	额定值 (公制)	测试方法
简支梁缺口冲击强度	9.5 ft·lb/in <sup>2</sup>	20 kJ/m <sup>2</sup>	ISO 179/1eA
热性能	额定值 (英制)	额定值 (公制)	测试方法
热变形温度			
66 psi (0.45 MPa), 未退火	545 °F	285 °C	ISO 75-2/B
264 psi (1.8 MPa), 未退火	509 °F	265 °C	ISO 75-2/A
电气性能	额定值 (英制)	额定值 (公制)	测试方法
体积电阻率	2.0E+16 ohm·cm	2.0E+16 ohm·cm	IEC 60093
耐电强度			IEC 60243-1
0.0394 in (1.00 mm)	1200 V/mil	47 kV/mm	
0.118 in (3.00 mm)	640 V/mil	25 kV/mm	
介电常数			IEC 60250
1 kHz	4.30	4.30	
1 MHz	3.80	3.80	
耗散因数			IEC 60250
1 kHz	0.020	0.020	
1 MHz	0.030	0.030	
耐电弧性	176 sec	176 sec	No Standard
漏电起痕指数	150 V	150 V	IEC 60112
可燃性	额定值 (英制)	额定值 (公制)	测试方法
UL 阻燃等级	V-0	V-0	UL 94

备注

<sup>1</sup> 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。

<sup>2</sup> 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。

<sup>3</sup> 一般属性：这些不能被视为规格。

<sup>4</sup> 80x80x1 mm; Inj. Pressure 60MPa

## Vectra® E471i

液晶聚合物

Polyplastics Co., Ltd.



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### 购买地点

#### 供应商

**Polyplastics Co., Ltd.**

Tokyo, Japan

电话: (81)3-3593-2441

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

#### 分销商

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