

## Technical Data

## 产品说明

High Heat Resistance, High Flow, Glass fiber reinforced, Standard  
Color No. VF2201/BK210P/BK205P

## 总体

|                    |  |
|--------------------|--|
| 材料状态               | • 已商用：当前有效   |
| 资料 <sup>1</sup>    | • Technical Datasheet (English)<br>• Technical Datasheet (English) |
| UL 黄卡 <sup>2</sup> | • E106764-100112385<br>• E106764-218439                            |
| 搜索 UL 黄卡           | • Polyplastics Co., Ltd.<br>• Vectra®                              |
| 供货地区               | • 欧洲 • 亚太地区  |
| 填料/增强材料            | • 玻璃纤维增强材料, 30% 填料按重量  |
| 性能特点               | • 流动性高 • 耐热性, 高  |
| UL 档案号             | • E106764  |
| 部件标识代码 (ISO 11469) | • >LCP-GF30<   |

| 物理性能                      | 额定值 (英制)                 | 额定值 (公制)               | 测试方法        |
|---------------------------|--------------------------|------------------------|-------------|
| 密度                        | 1.61 g/cm <sup>3</sup>   | 1.61 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) | 0.54 %                   | 0.54 %                 |             |
| 流量: 0.0394 in (1.00 mm)   | 0.020 %                  | 0.020 %                |             |
| 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                      | 25400 psi                | 175 MPa                | ASTM D638   |
| 伸长率 (断裂)                  | 2.0 %                    | 2.0 %                  | ASTM D638   |
| 弯曲模量                      | 2.18E+6 psi              | 15000 MPa              | ISO 178     |
| 弯曲强度                      | 31900 psi                | 220 MPa                | ISO 178     |
| 弯曲应变                      | 2.3 %                    | 2.3 %                  | 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                 | 17 ft-lb/in <sup>2</sup> | 35 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    | 554 °F                   | 290 °C                 | ISO 75-2/B  |
| 264 psi (1.8 MPa), 未退火    | 536 °F                   | 280 °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                     | 9.0E+15 ohm·cm           | 9.0E+15 ohm·cm         | IEC 60093   |
| 耐电强度                      |                          |                        | IEC 60243-1 |
| 0.0394 in (1.00 mm)       | 1100 V/mil               | 44 kV/mm               |             |
| 0.118 in (3.00 mm)        | 610 V/mil                | 24 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                      | 130 sec                  | 130 sec                | No Standard |
| 漏电起痕指数                    | 125 V                    | 125 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® E130i

液晶聚合物

Polyplastics Co., Ltd.

### 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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