

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 ¹	• Technical Datasheet (English) • Technical Datasheet (English)
UL 黄卡 ²	• E106764-218449
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, 30% 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)30<

物理性能	额定值 (英制)	额定值 (公制)	测试方法
密度	1.63 g/cm ³	1.63 g/cm ³	ISO 1183
收缩率 ⁴			No Standard
横向流量: 0.0394 in (1.00 mm)	0.39 %	0.39 %	
流量: 0.0394 in (1.00 mm)	0.030 %	0.030 %	
吸水率 (73°F (23°C), 24 hr)	0.020 %	0.020 %	ISO 62
机械性能	额定值 (英制)	额定值 (公制)	测试方法
抗张强度	18100 psi	125 MPa	ASTM D638
伸长率 (断裂)	2.8 %	2.8 %	ASTM D638
弯曲模量	1.60E+6 psi	11000 MPa	ISO 178
弯曲强度	23200 psi	160 MPa	ISO 178
弯曲应变	2.8 %	2.8 %	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 ²	20 kJ/m ²	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	527 °F	275 °C	ISO 75-2/B
264 psi (1.8 MPa), 未退火	482 °F	250 °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	1.0E+16 ohm-cm	1.0E+16 ohm-cm	IEC 60093
耐电强度			IEC 60243-1
0.0394 in (1.00 mm)	1300 V/mil	53 kV/mm	
0.118 in (3.00 mm)	660 V/mil	26 kV/mm	
介电常数			IEC 60250
1 kHz	4.20	4.20	
1 MHz	3.70	3.70	
耗散因数			IEC 60250
1 kHz	0.020	0.020	
1 MHz	0.030	0.030	
耐电弧性	151 sec	151 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

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 80x80x1 mm; Inj. Pressure 60MPa

Vectra® E473i

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

RESINEX Group

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

电话: +32-14-672511

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

可用性: Europe



Founded in 1986 and based in Laramie, Wyoming, IDES is now part of the UL family of companies. UL is a premier global independent safety science company with more than a century of proven history. Employing nearly 10,000 professionals in over 100 countries, UL has five distinct business units -- Product Safety, Environment, Life & Health, Knowledge Services and Verification Services -- to meet the expanding needs of our customers and to deliver on our public safety mission.



Prospector Plastics Database - www.ides.com/prospector

Prospector is a searchable online database that includes 85,000 data sheets from 875 manufacturers and 44,000 UL yellow cards. Each data sheet includes property, processing and supplier contact information. Prospector is relied on by nearly 400,000 design engineers and plastics processors. Using Prospector, they save time with plastic material selection by quickly and easily referencing technical information critical to the success of their products.

"Prospector is absolutely the best and most well-known search engine for plastic raw materials in the world. We use Prospector every day – it's a real time saver!"
– Birgit Elvardt Bader, Production Manager, Micotron

Power Searches

Property Search – select plastics by 500 key properties and design parameters.

Alternative Resins Search – find replacement plastics within minutes.

Automotive Plastics Search – easily locate automotive approved plastics.

Curve Data – view, overlay and export curve data.



Material Data Management – www.ides.com/datasheets

With our data management services, plastic suppliers and distributors can have custom search interfaces available on their website for their customers, website visitors, sales and customer service teams. These provide intuitive ways to find and view technical data sheets for their products.

"With UL IDES data services, our website now displays the most current information on the products we distribute and links to our backend RFQ and sales order system, adding both value and service for our customers."
– Kevin Chase, Owner & President, Chase Plastics



Advertising – www.ides.com/advertise

Reach 365,000 pre-qualified plastics professionals and generate leads with proven techniques. Electronic newsletter insertions, sponsored webinars and powerful online ads are available to make the most of your lead-generation program.

For more information, call: 800.788.4668 or 307.742.9227 ext. 220