

DuPont Performance Polymers Rynite® FR531 NC010 Polyethylene Terephthalate (PET) (Unverified Data**)

Polymer, Thermoplastic, Polyester, TP, Polyethylene Terephthalate (PET), Polyethylene Terephthalate (PET), Glass Fiber Filled, Flame Retardant

DuPont Performance Polymers

产品说明

36% Reinforced Flame Retardant Polyethylene Terephthalate Information provided by DuPont Performance Polymers

| 物理性能 | 额定值 (公制) | 额定值 (英制) | 测试方法 |
|-------------------|--|--|----------------------------------|
| 密度 | 1.83 g/cc | 0.0661 lb/in ³ | ISO 1183 |
| 线性成型收缩率, Flow | 0.0010 cm/cm | 0.0010 in/in | ISO 294-4 2577 |
| 线性成型收缩率, 横向 | 0.0070 cm/cm | 0.0070 in/in | ISO 294-4 2577 |
| 熔体流动速率 | 3.0 g/10 min @ Load 5.00 kg, Temperature 280 °C | 3.0 g/10 min @ Load 11.0 lb, Temperature 536 °F | cm ³ /10min; ISO 1133 |
| 机械性能 | 额定值 (公制) | 额定值 (英制) | 测试方法 |
| 抗张强度(断裂) | 129 MPa | 18700 psi | ISO 527-1/-2 |
| 伸长率(断裂) | 1.6 % | 1.6 % | ISO 527-1/-2 |
| 拉伸模量 | 12.6 GPa | 1830 ksi | ISO 527-1/-2 |
| 简支梁无缺口冲击强度 | 3.60 J/cm ² | 17.1 ft-lb/in ² | ISO 179/1eU |
| 简支梁缺口冲击强度 | 1.00 J/cm ² | 4.76 ft-lb/in ² | ISO 179/1eA |
| 电气性能 | 额定值 (公制) | 额定值 (英制) | 测试方法 |
| 相比耐漏电起痕指数(CTI) | 325 V | 325 V | IEC 60112 |
| | 250 - 400 V | 250 - 400 V | UL 746A |
| 热性能 | 额定值 (公制) | 额定值 (英制) | 测试方法 |
| 熔融温度 | 247 °C | 477 °F | 10°C/min; ISO 11357-1/-3 |
| 载荷下热变形温度(1.8 MPa) | 218 °C | 424 °F | ISO 75-1/-2 |
| 可燃性(UL94) | V-0 @ Thickness 1.50 mm | V-0 @ Thickness 0.0591 in | IEC 60695-11-10 |
| | V-0 @ Thickness 0.800 mm | V-0 @ Thickness 0.0315 in | IEC 60695-11-10 |
| | 5VA @ Thickness 2.00 mm | 5VA @ Thickness 0.0787 in | IEC 60695-11-20 |
| 材料描述 | | | 测试方法 |
| Delivery Form | Pellets | | |
| 加工 | Injection Moulding | | |
| 供货地区 | Asia Pacific | | |
| | Europe | | |
| | Near East/Africa | | |
| UL recognition | UL | | |