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ENGINEERING POLYMERS, CHESTNUT RUN PLAZA, PO BOX 80713, WILMINGTON DE 19880-0713



Zytel: 101(r9), 101F(r9), 101L(r9), E101(r9), E101L(r9)

Polyamide 66 (PA66), pellets

(r9) - Virgin and regrind up to 50% by weight inclusive, have the same basic material characteristics for ALL colors down to 0.71mm. For thickness 0.40mm to 0.70mm the same basic material characteristics exist with the exception of generic RTIs for all properties and Regrind exceeding 25% is limited to V-2 Flammability for WT, RD, BK.

| 可燃性 | 值 | 测试方法 |
|------------------|-----------------|--------------------------|
| UL 阻燃等级 | | UL 94 |
| 0.40 mm, ALL | V-2 | IEC 60695-11-10, -20 |
| 0.71 mm, ALL | V-2 | |
| 1.5 mm, ALL | V-2 | |
| 3.0 mm, ALL | V-2 | |
| 灼热丝易燃指数 | | IEC 60695-2-12 |
| 0.40 mm | 960 °C | |
| 0.71 mm | 960 °C | |
| 1.5 mm | 960 °C | |
| 3.0 mm | 960 °C | |
| 热灯丝点火温度 | | IEC 60695-2-13 |
| 0.40 mm | 900 °C | |
| 0.71 mm | 725 °C | |
| 1.5 mm | 750 °C | |
| 3.0 mm | 800 °C | |
| 电气性能 | 值 | 测试方法 |
| 热丝引燃 (HWI) | | UL 746 |
| 0.40 mm | PLC 4 | |
| 0.71 mm | PLC 4 | |
| 1.5 mm | PLC 3 | |
| 3.0 mm | PLC 2 | |
| 高电弧燃烧指数(HAI) | | UL 746 |
| 0.40 mm | PLC 2 | |
| 0.71 mm | PLC 0 | |
| 1.5 mm | PLC 0 | |
| 3.0 mm | PLC 0 | |
| 相比耐漏电起痕指数(CTI) | PLC 0 | UL 746 |
| 介电强度 | 13 kV/mm | ASTM D149 IEC 60243-1 |
| 高电压电弧起痕速率 (HVTR) | PLC 0 | UL 746 |
| 体积电阻率 | 1.0E+14 ohms-cm | ASTM D257 IEC 60093 |
| 耐电弧性 | PLC 6 | ASTM D495 |
| 热性能 | 值 | 测试方法 |
| RTI Elec | | UL 746 |
| 0.71 mm | 130 °C | |
| 1.5 mm | 130 °C | |
| 3.0 mm | 130 °C | |



| 热性能 | 值 | 测试方法 |
|-------------------------------------|---------|----------------|
| RTI Imp | | UL 746 |
| 0.71 mm | 75.0 °C | |
| 1.5 mm | 75.0 °C | |
| 3.0 mm | 75.0 °C | |
| RTI | | UL 746 |
| 0.71 mm | 85.0 °C | |
| 1.5 mm | 85.0 °C | |
| 3.0 mm | 85.0 °C | |
| Ball Pressure Test (240°C, 3.00 mm) | 通过 | IEC 60695-10-2 |