



COVESTRO DEUTSCHLAND AG [PC RESINS]

Chempark  
Gebäude B207  
Leverkusen, 51368 Germany



Makrolon: 6555 + (z)(f1)

Polycarbonate (PC), pellets

- (f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.
- (z) - Material designation and color code may be followed by up to three letters and/or three numbers (does not include grades which are separately recognized with above material designation and suffix)
- + - Material designations may be followed by a six digit numerical code denoting color.

| 可燃性              | 值               | 测试方法                 |
|------------------|-----------------|----------------------|
| UL 阻燃等级          |                 | UL 94                |
| 1.5 mm, CL       | V-2             | IEC 60695-11-10, -20 |
| 3.0 mm, CL       | V-0             |                      |
| 6.0 mm, CL       | V-0             |                      |
| 灼热丝易燃指数          |                 | IEC 60695-2-12       |
| 1.5 mm           | 960 °C          |                      |
| 3.0 mm           | 960 °C          |                      |
| 6.0 mm           | 960 °C          |                      |
| 电气性能             | 值               | 测试方法                 |
| 热丝引燃 (HWI)       |                 | UL 746A              |
| 1.5 mm           | PLC 2           |                      |
| 3.0 mm           | PLC 1           |                      |
| 6.0 mm           | PLC 1           |                      |
| 高电弧燃烧指数(HAI)     |                 | UL 746A              |
| 1.5 mm           | PLC 2           |                      |
| 3.0 mm           | PLC 1           |                      |
| 6.0 mm           | PLC 1           |                      |
| 相比耐漏电起痕指数(CTI)   | PLC 3           | UL 746A              |
| 介电强度             | 29 kV/mm        | ASTM D149            |
| 高电压电弧起痕速率 (HVTR) | PLC 2           | UL 746A              |
| 体积电阻率            | 1.0E+15 ohms-cm | ASTM D257            |
| 耐电弧性             | PLC 6           | IEC 60093            |
|                  |                 | ASTM D495            |





| 热性能                | 值      | 测试方法                   |
|--------------------|--------|------------------------|
| RTI Elec           |        | UL 746B                |
| 1.5 mm             | 125 °C |                        |
| 3.0 mm             | 125 °C |                        |
| 6.0 mm             | 125 °C |                        |
| RTI Imp            |        | UL 746B                |
| 1.5 mm             | 115 °C |                        |
| 3.0 mm             | 115 °C |                        |
| 6.0 mm             | 115 °C |                        |
| RTI                |        | UL 746B                |
| 1.5 mm             | 125 °C |                        |
| 3.0 mm             | 125 °C |                        |
| 6.0 mm             | 125 °C |                        |
| 物理性能               | 值      | 测试方法                   |
| Dimensional Change | 0.0 %  | ASTM D1042<br>ISO 2796 |
| 室外适用性              | f1     | UL 746C                |



UL 94 小规模测试数据与建筑材料、家具和有关内容不相关。ANSI/UL 94 小规模测试数据仅用于确定成品设备和装置的组  
中所用塑料材料的易燃性，其中组合的可接受性由 UL 确定。

