



COVESTRO DEUTSCHLAND AG [PC RESINS]

Chempark  
Gebäude B207  
Leverkusen, 51368 Germany



Makrolon: 2600 + (z)(f1), 2607 + (f1), AG2677 + (z), 2608 + (z)(f1), 2656 + (z)(f1), 2658 + (z)(f1), LQ2647 + (z)

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           |                 |                               |
| 2.5 mm, ALL       | HB              | UL 94                         |
| 3.0 mm, ALL       | HB              | UL 94                         |
| 6.0 mm, ALL       | HB              | UL 94                         |
| 0.75 mm, ALL      | V-2             | UL 94<br>IEC 60695-11-10, -20 |
| 1.5 到 2.4 mm, ALL | V-2             | UL 94<br>IEC 60695-11-10, -20 |
| 3.0 mm, ALL       | HB40            | IEC 60695-11-10, -20          |
| 6.0 mm, ALL       | HB40            | IEC 60695-11-10, -20          |
| 2.5 mm, ALL       | HB75            | IEC 60695-11-10, -20          |
| 电气性能              | 值               | 测试方法                          |
| 热丝引燃 (HWI)        |                 | UL 746A                       |
| 1.5 到 2.4 mm      | PLC 3           |                               |
| 2.5 mm            | PLC 3           |                               |
| 3.0 mm            | PLC 2           |                               |
| 6.0 mm            | PLC 0           |                               |
| 高电弧燃烧指数(HAI)      |                 | UL 746A                       |
| 1.5 到 2.4 mm      | PLC 0           |                               |
| 2.5 mm            | PLC 0           |                               |
| 3.0 mm            | PLC 0           |                               |
| 6.0 mm            | PLC 0           |                               |
| 相比耐漏电起痕指数(CTI)    | PLC 2           | UL 746A                       |
| 介电强度              | 29 kV/mm        | ASTM D149                     |
| 高电压电弧起痕速率 (HVTR)  | PLC 0           | UL 746A                       |
| 体积电阻率             | 1.0E+16 ohms·cm | ASTM D257<br>IEC 60093        |
| 耐电弧性              | PLC 5           | ASTM D495                     |



| 热性能                | 值      | 测试方法                   |
|--------------------|--------|------------------------|
| RTI Elec           |        | UL 746B                |
| 0.75 mm            | 125 °C |                        |
| 1.5 到 2.4 mm       | 125 °C |                        |
| 2.5 mm             | 125 °C |                        |
| 3.0 mm             | 125 °C |                        |
| 6.0 mm             | 125 °C |                        |
| RTI Imp            |        | UL 746B                |
| 0.75 mm            | 115 °C |                        |
| 1.5 到 2.4 mm       | 115 °C |                        |
| 2.5 mm             | 115 °C |                        |
| 3.0 mm             | 115 °C |                        |
| 6.0 mm             | 115 °C |                        |
| RTI                |        | UL 746B                |
| 0.75 mm            | 125 °C |                        |
| 1.5 到 2.4 mm       | 125 °C |                        |
| 2.5 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                |