



DSM ENGINEERING MATERIALS B V  
URMONDERBAAN 22  
GELEEN, 6167 RD Netherlands



**Akulon Ultraflow: K-FKGS6/B(f1)(y)**

Polyamide 6 (PA6), pellets

- (f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.
- (y) - Properties include Inclined Plane Tracking per UL746A, average time to track at 1500 V is 122 minutes

| 可燃性                                 | 值               | 测试方法                     |
|-------------------------------------|-----------------|--------------------------|
| UL 阻燃等级                             |                 | UL 94                    |
| 0.75 mm, ALL                        | V-0             | IEC 60695-11-10, -20     |
| 1.5 mm, ALL                         | V-0, 5VA        |                          |
| 3.0 mm, ALL                         | V-0, 5VA        |                          |
| 电气性能                                | 值               | 测试方法                     |
| 热丝引燃 (HWI)                          |                 | UL 746                   |
| 0.75 mm                             | PLC 2           |                          |
| 1.5 mm                              | PLC 1           |                          |
| 3.0 mm                              | PLC 0           |                          |
| 高电弧燃烧指数(HAI)                        |                 | UL 746                   |
| 0.75 mm                             | PLC 0           |                          |
| 1.5 mm                              | PLC 0           |                          |
| 3.0 mm                              | PLC 0           |                          |
| 相比耐漏电起痕指数(CTI)                      | PLC 1           | UL 746                   |
| 介电强度                                | 11 kV/mm        | ASTM D149<br>IEC 60243-1 |
| Inclined-Plane Tracking             | 1.0 kV          | ASTM D2303               |
| 体积电阻率                               | 1.0E+10 ohms-cm | ASTM D257<br>IEC 60093   |
| 漏电起痕指数 (3.00 mm)                    | 325 V           | IEC 60112                |
| 热性能                                 | 值               | 测试方法                     |
| RTI Elec                            |                 | UL 746                   |
| 0.75 mm                             | 140 °C          |                          |
| 1.5 mm                              | 140 °C          |                          |
| 3.0 mm                              | 140 °C          |                          |
| RTI Imp                             |                 | UL 746                   |
| 0.75 mm                             | 110 °C          |                          |
| 1.5 mm                              | 110 °C          |                          |
| 3.0 mm                              | 110 °C          |                          |
| RTI                                 |                 | UL 746                   |
| 0.75 mm                             | 110 °C          |                          |
| 1.5 mm                              | 130 °C          |                          |
| 3.0 mm                              | 130 °C          |                          |
| Ball Pressure Test (210°C, 3.00 mm) | 通过              | IEC 60695-10-2           |
| 物理性能                                | 值               | 测试方法                     |
| 室外适用性                               | f1              | UL 746C                  |