

QMF22 Component - Plastics

E54705

SUMITOMO CHEMICAL CO LTD

5-33 KITAHAWA 4-CHOME, CHUO-KU, OSAKA 541-8550 JP

E4008(j)(f2)

Liquid Crystal Polymer (LCP), "SUMIKASUPER", furnished as pellets

| Color      | Min Thk | Flame |     |     | RTI  | RTI | RTI |
|------------|---------|-------|-----|-----|------|-----|-----|
|            | (mm)    | Class | HWI | HAI | Elec | Imp | Str |
| NC, WT, BK | 0.30    | V-0   | -   | -   | 130  | 130 | 130 |
|            | 0.75    | V-0   | 3   | 4   | 220  | 180 | 220 |
|            | 1.5     | V-0   | 2   | 4   | 220  | 200 | 240 |
|            | 3.0     | V-0   | 1   | 4   | 220  | 200 | 240 |

Comparative Tracking Index (CTI): 4

High-Voltage Arc Tracking Rate (HVTR): 0

Dielectric Strength (kV/mm): -

Dimensional Stability (%): -

High Volt, Low Current Arc Resis (D495): 5

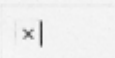
Volume Resistivity (10xohm-cm): -

- (f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL Inc.
- (j) - Virgin and regrind up to 50% by weight incl. have the same basic material characteristics except for the tensile impact property and evaluation in accordance with UL 746C for regrind 26 to 50% by weight incl.

UL94 small-scale test data does not pertain to building materials, furnishings and related contents. UL94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by ULI.

Report Date: 8/17/1992

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IEC and ISO Test Methods

| Test Name                      | Test Method     | Units       | Color      | Thickness   | Value |
|--------------------------------|-----------------|-------------|------------|-------------|-------|
|                                |                 |             |            | Tested (mm) |       |
| IEC Flammability               | IEC 60695-11-10 | Class       | NC, WT, BK | 0.30        | V-0   |
|                                |                 |             |            | 0.75        | V-0   |
|                                |                 |             |            | 1.5         | V-0   |
|                                |                 |             |            | 3.0         | V-0   |
| Glow-Wire Flammability (GWFI)  | IEC 60695-2-12  | C           | NC         | -           | -     |
| Glow-Wire Ignition (GWIT)      | IEC 60695-2-13  | C           | NC         | -           | -     |
| IEC Comparative Tracking Index | IEC 60112       | Volts (Max) | -          | -           | -     |
| IEC Ball Pressure              | IEC 60695-10-2  | C           | -          | -           | -     |
| ISO Heat Deflection (1.80 MPa) | ISO 75-2        | C           | -          | -           | -     |
| ISO Tensile Strength           | ISO 527-2       | MPa         | -          | -           | -     |
| ISO Flexural Strength          | ISO 178         | MPa         | -          | -           | -     |
| ISO Tensile Impact             | ISO 8256        | kJ/m2       | -          | -           | -     |
| ISO Izod Impact                | ISO 180         | kJ/m2       | -          | -           | -     |
| ISO Charpy Impact              | ISO 179-2       | kJ/m2       | -          | -           | -     |

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