



# Component - Plastics

File Number: E48285

## ASAHI KASEI CORP

KANDA-MITSUI BLDG, 1-105 KANDA JINBOCHO, CHIYODA-KU TOKYO 101-8101 JP



## Leona: 1300G(o)

Polyamide 66 (PA66), granular material

- (o) - Virgin and regrind up to 25% by weight inclusive have the same basic characteristics. In addition, virgin and regrind 26 to 50% by weight inclusive have the same basic material characteristics except the regrind has generic RTIs of 65 C for the electrical and mechanical properties.

| Flammability                          | Value           | Test Method          |
|---------------------------------------|-----------------|----------------------|
| Flame Rating                          |                 | UL 94                |
| 0.71 mm, ALL                          | HB              |                      |
| 1.5 mm, ALL                           | HB              |                      |
| 3.0 mm, ALL                           | HB              |                      |
| Flammability Classification           |                 | IEC 60695-11-10, -20 |
| 3.0 mm, ALL                           | HB40            |                      |
| 0.71 mm, ALL                          | HB75            |                      |
| 1.5 mm, ALL                           | HB75            |                      |
| Electrical                            | Value           | Test Method          |
| Hot-wire Ignition (HWI)               |                 | UL 746               |
| 0.71 mm                               | PLC 4           |                      |
| 1.5 mm                                | PLC 4           |                      |
| 3.0 mm                                | PLC 4           |                      |
| High Amp Arc Ignition (HAI)           |                 | UL 746               |
| 0.71 mm                               | PLC 0           |                      |
| 1.5 mm                                | PLC 0           |                      |
| 3.0 mm                                | PLC 0           |                      |
| Comparative Tracking Index (CTI)      | PLC 1           | UL 746               |
| Dielectric Strength                   | 30 kV/mm        | ASTM D149            |
| High Voltage Arc Tracking Rate (HVTR) | PLC 1           | UL 746               |
| Volume Resistivity                    | 1.0E+10 ohms-cm | ASTM D257            |
| Volume Resistivity                    | 1.0E+10 ohms-cm | IEC 60093            |
| Arc Resistance                        | PLC 5           | ASTM D495            |
| Electric Strength                     | 30 kV/mm        | IEC 60243-1          |
| Thermal                               | Value           | Test Method          |
| RTI Elec                              |                 | UL 746               |
| 0.71 mm                               | 125 °C          |                      |
| 1.5 mm                                | 125 °C          |                      |
| 3.0 mm                                | 125 °C          |                      |
| RTI Imp                               |                 | UL 746               |
| 0.71 mm                               | 105 °C          |                      |
| 1.5 mm                                | 105 °C          |                      |
| 3.0 mm                                | 110 °C          |                      |
| RTI Str                               |                 | UL 746               |
| 0.71 mm                               | 110 °C          |                      |
| 1.5 mm                                | 110 °C          |                      |
| 3.0 mm                                | 120 °C          |                      |

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| Physical              | Value  | Test Method |
|-----------------------|--------|-------------|
| Dimensional Stability | 0.28 % | ASTM D1042  |
| Dimensional Stability | 0.28 % | ISO 2796    |

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