



Component - Plastics

File Number: E36632

BASF CORP

1609 BIDDLE AVE, WYANDOTTE MI 48192-3729



Ultramid: A3EG3

Polyamide 66 (PA66), pellets

| Flammability | Value | Test Method |
|---------------------------------------|-----------------|--------------------------|
| Flame Rating | | |
| 0.800 mm, ALL | HB | UL 94 |
| 1.70 mm, ALL | HB | UL 94 |
| 3.00 mm, ALL | HB | UL 94 |
| 3.00 mm, ALL | HB40 | IEC 60695-11-10, -20 |
| 0.800 mm, ALL | HB75 | IEC 60695-11-10, -20 |
| 1.70 mm, ALL | HB75 | IEC 60695-11-10, -20 |
| Electrical | Value | Test Method |
| Hot-wire Ignition (HWI) | | UL 746 |
| 0.800 mm | PLC 4 | |
| 1.70 mm | PLC 4 | |
| 3.00 mm | PLC 4 | |
| High Amp Arc Ignition (HAI) | | UL 746 |
| 0.800 mm | PLC 0 | |
| 1.70 mm | PLC 0 | |
| 3.00 mm | PLC 0 | |
| Comparative Tracking Index (CTI) | PLC 0 | UL 746 |
| Dielectric Strength | 21 kV/mm | ASTM D149 IEC 60243-1 |
| High Voltage Arc Tracking Rate (HVTR) | PLC 1 | UL 746 |
| Volume Resistivity | 1.0E+12 ohms·cm | ASTM D257 IEC 60093 |
| Arc Resistance | PLC 6 | ASTM D495 |
| Thermal | Value | Test Method |
| RTI Elec | | UL 746 |
| 0.800 mm | 130 °C | |
| 1.70 mm | 130 °C | |
| 3.00 mm | 130 °C | |
| RTI Imp | | UL 746 |
| 1.70 mm | 125 °C | |
| 3.00 mm | 125 °C | |
| RTI Str | | UL 746 |
| 1.70 mm | 125 °C | |
| 3.00 mm | 125 °C | |
| Physical | Value | Test Method |
| Dimensional Stability | 0.0 % | ASTM D1042 ISO 2796 |

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