

Component - Plastics

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LX MMA Corp.

58 Yeosusandan 4-ro, Yeosu-si Jeollanam-do 59613 KR

HP202

Polymethyl Methacrylate (PMMA), furnished as pellets

| <u>Color</u> | <u>Min. Thk (mm)</u> | <u>Flame Class</u> | <u>HWI</u> | <u>HAI</u> | <u>RTI Elec (°C)</u> | <u>RTI Imp (°C)</u> | <u>RTI Str (°C)</u> |
|--------------|----------------------|--------------------|------------|------------|----------------------|---------------------|---------------------|
| NC | 1.5 | HB | - | - | 50 | 50 | 50 |
| | 3.0 | HB | - | - | 50 | 50 | 50 |

Comparative Tracking Index (CTI): -

Inclined Plane Tracking (IPT) kV: -

Dielectric Strength (kV/mm): -

Volume Resistivity (10^x ohm-cm): -

High-Voltage Arc Tracking Rate (HVTR): -

Surface Resistivity (10^x ohms/square): -

Dimensional Change (%): -

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

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 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 UL.

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IEC and ISO Test Methods

| Test Name | Test Method | Units | Thk (mm) | Value |
|------------------------------------|-----------------|-----------------------|------------|--------------------------------|
| Flammability | IEC 60695-11-10 | Class (color) | 1.5 3.0 | HB, HB75 (NC) HB, HB40 (NC) |
| Glow-Wire Flammability (GWFI) | IEC 60695-2-12 | °C | - | - |
| Glow-Wire Ignition (GWIT) | IEC 60695-2-13 | °C | - | - |
| IEC Comparative Tracking Index | IEC 60112 | Volts (Max) | - | - |
| IEC AC Dielectric Strength (AC DS) | IEC 60243-1 | kV/mm | - | - |
| IEC DC Dielectric Strength (DC DS) | IEC 60243-2 | kV/mm | - | - |
| IEC Volume Resistivity (VR) | IEC 62631-3-1 | 10 ^x ohm-m | - | - |
| IEC Surface Resistivity (SR) | IEC 62631-3-2 | 10 ^x ohms | - | - |
| IEC Inclined Plane Tracking (IPT) | IEC 60587 | kV | - | - |
| 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/m ² | - | - |
| ISO Izod Impact | ISO 180 | kJ/m ² | - | - |
| ISO Charpy Impact | ISO 179-1 | kJ/m ² | - | - |