

## Technical Data

| Product Description   |  |  |
|---|--|--|
| Description   | General Purpose, Metal Plating                             |  |
| Application   | Automotive(Outerior), E&E(Housing)                         |  |
| General   |  |  |
| Material Status   | • Commercial: Active                                       |  |
| Literature <sup>1</sup>   | • <a href="#">Technical Datasheet (English)</a>            |  |
| Search for UL Yellow Card   | • <a href="#">LG Chem Ltd.</a><br>• <a href="#">Lupoy®</a> |  |
| Availability  | • Asia Pacific<br>• Europe                                 | • Latin America<br>• North America                           |
| Features  | • General Purpose<br>• Platable                            |  |
| Uses  | • Automotive Exterior Parts                                | • Electrical Housing<br>• Electrical/Electronic Applications |
| Automotive Specifications   | • CHRYSLER MS-DB-195<br>• CPN2595<br>• GM GMP.ABS+PC.012   | • GM GMW15581P-ABS+PC-T7<br>• IMDS ID 5713160                |
| Processing Method   | • Injection Molding  |  |
| Physical  | Nominal Value Unit   | Test Method  |
| Density / Specific Gravity  | 1.10 g/cm <sup>3</sup>                                     | ASTM D792  |
| Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)   | 5.5 g/10 min   | ASTM D1238   |
| Molding Shrinkage - Flow<br>23°C, 3.20 mm, Injection Molded                         | 0.50 to 0.80 %   | ASTM D955  |
| Mechanical  | Nominal Value Unit   | Test Method  |
| Tensile Strength <sup>3</sup><br>Yield, 23°C, 3.20 mm, Injection Molded             | 46.1 MPa   | ASTM D638  |
| Tensile Elongation <sup>3</sup><br>Break, 23°C, 3.20 mm, Injection Molded           | > 100 %  | ASTM D638  |
| Flexural Modulus <sup>4</sup><br>23°C, 3.20 mm, Injection Molded                    | 1910 MPa   | ASTM D790  |
| Flexural Strength <sup>4</sup><br>23°C, 3.20 mm, Injection Molded                   | 71.6 MPa   | ASTM D790  |
| Impact  | Nominal Value Unit   | Test Method  |
| Notched Izod Impact<br>23°C, 3.20 mm, Injection Molded                              | 490 J/m  | ASTM D256  |
| Thermal   | Nominal Value Unit   | Test Method  |
| Deflection Temperature Under Load<br>1.8 MPa, Unannealed, 6.40 mm, Injection Molded | 98.0 °C  | ASTM D648  |
| RTI Elec  | 60.0 °C  | UL 746   |
| RTI Imp   | 60.0 °C  | UL 746   |
| RTI Str   | 60.0 °C  | UL 746   |
| Flammability  | Nominal Value Unit   | Test Method  |
| Flame Rating (1.5 mm)   | HB   | UL 94  |
| Injection   | Nominal Value Unit   |  |
| Drying Temperature  | 80 to 90 °C  |  |
| Drying Time   | 4.0 to 6.0 hr  |  |
| Suggested Max Moisture  | 0.020 %  |  |
| Rear Temperature  | 235 to 260 °C  |  |



# Lupoy® MP5000AM

Polycarbonate + ABS

LG Chem Ltd.

# PROSPECTOR®

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| Injection              | Nominal Value Unit |
|------------------------|--------------------|
| Middle Temperature     | 235 to 265 °C      |
| Front Temperature      | 235 to 265 °C      |
| Nozzle Temperature     | 235 to 265 °C      |
| Processing (Melt) Temp | 240 to 265 °C      |
| Mold Temperature       | 50 to 70 °C        |
| Screw Speed            | 40 to 70 rpm       |

## Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.

<sup>3</sup> 50 mm/min

<sup>4</sup> 10 mm/min

