

LGS 5Z 581

High Impact Polystyrene
LG Polymers India Pvt. Ltd.

Message:

LGS - 5Z581 is a UL Approved Flame-retardant HIPS grade in Black color.
Applications:
Electrical boards, Refrigerator electrical control box etc.

| General Information | | | |
|-------------------------------|------------------------------------|-------------------|-------------|
| Features | Impact resistance, high | | |
| | Flame retardancy | | |
| Uses | Electrical/Electronic Applications | | |
| | Electrical components | | |
| Appearance | Black | | |
| Forms | Particles | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.16 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) | 6.0 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.40 - 0.80 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 21.6 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 40 | % | ASTM D638 |
| Flexural Strength | 29.4 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (6.35 mm) | 74 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 95.0 | °C | ASTM D1525 |
| Heat Deflection Temperature | 80 | °C | ASTM D648 |
| Flammability | Nominal Value | Test Method | |
| Flame Rating | V-0 | UL 94 | |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | 180 - 210 | °C | |
| Mold Temperature | 40 - 50 | °C | |

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