

Double Elephant SX-301

Polymethyl Methacrylate Acrylic

Suzhou Double Elephant Optical Material Co., LTD.

Message:

Molding compound with good flow property and normal heat resistance.

Application: the products with complicated shape and long molding path, such as crafts and housewares.

| General Information | | | |
|---|-------------------|-------------------|-------------|
| Features | Good Flow | | |
| Uses | Household Goods | | |
| Appearance | Clear/Transparent | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.19 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/3.8 kg) | 14 | g/10 min | ISO 1133 |
| Water Absorption (Saturation, 23°C) | 0.30 | % | ISO 62 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress | 68.0 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 4.0 | % | ISO 527-2 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | 1.2 | kJ/m ² | ISO 179 |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 90.0 | °C | ISO 75-2/A |
| Vicat Softening Temperature | 97.0 | °C | ISO 306/B50 |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | > 1.0E+16 | ohms | |
| Volume Resistivity | > 1.0E+14 | ohms · cm | GB/T 1410 |
| Optical | Nominal Value | Unit | Test Method |
| Refractive Index | 1.490 | | ISO 489 |
| Transmittance | 92.0 to 93.0 | % | ISO 13468 |

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