

Globalene® SI0104

Polypropylene Alloy

Lee Chang Yung Chemical Industry Corp.

Message:

Globalene® SI0104 is a Polypropylene Alloy (PP Alloy) material. It is available in Asia Pacific or North America for injection molding.

Important attributes of Globalene® SI0104 are:

RoHS Compliant

Good Processability

Good Weather Resistance

Impact Resistant

Typical applications include:

Automotive

Sporting Goods

| General Information | | | |
|---|-------------------------|-------------------|-------------|
| Features | Good Moldability | | |
| | Good Weather Resistance | | |
| | High Impact Resistance | | |
| Uses | Automotive Bumper | | |
| | Sporting Goods | | |
| RoHS Compliance | RoHS Compliant | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.900 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 11 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 1.4 | % | ASTM D955 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 69 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 21.3 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 8.6 | % | ASTM D638 |
| Flexural Modulus | 961 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | No Break | | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature | 86 | °C | ASTM D648 |

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