

Lucky Enpla LGF6300

Polypropylene

Lucky Enpla Co LTD

Message:

Lucky Enpla LGF6300 is a polypropylene product that contains 30% glass fiber reinforced materials. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Lucky Enpla LGF6300 applications include electrical/electronic applications and the automotive industry.

| General Information | | | |
|---|---|-------------------|-------------|
| Filler / Reinforcement | Glass fiber reinforced material, 30% filler by weight | | |
| Uses | Electrical/Electronic Applications | | |
| | Application in Automobile Field | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.15 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 8.0 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.30 - 0.50 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ | 79.4 | MPa | ASTM D638 |
| Flexural Modulus ² | 4900 | MPa | ASTM D790 |
| Flexural Strength ³ | 108 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Unnotched Izod Impact (6.35 mm) | 78 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 153 | °C | ASTM D648 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 70.0 - 90.0 | °C | |
| Drying Time | 2.0 - 3.0 | hr | |
| Rear Temperature | 200 - 220 | °C | |
| Middle Temperature | 210 - 230 | °C | |
| Front Temperature | 210 - 230 | °C | |
| Nozzle Temperature | 220 - 240 | °C | |
| Mold Temperature | 30.0 - 60.0 | °C | |
| Back Pressure | 0.490 - 1.47 | MPa | |
| Screw Speed | 40 - 70 | rpm | |
| Injection instructions | | | |
| Resin Temperature: 210-230°CInjection Pressure (1st Pressure): 500-800 kg/cm ² Injection Pressure (2nd Pressure): 300-600 kg/cm ² | | | |
| NOTE | | | |

| | |
|----|-----------|
| 1. | 50 mm/min |
| 2. | 30 mm/min |
| 3. | 30 mm/min |

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