

Keyflex® TO 1075AR

Thermoplastic Copolyester Elastomer

LG Chem Ltd.

Message:

Description
General Purpose, Soft Touch
Application
Automotive Interior

| General Information | | | |
|--|---------------------------|----------|-------------|
| Features | General Purpose | | |
| | Soft | | |
| Uses | Automotive Interior Parts | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.958 | g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 40 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A, 23°C, Injection Molded) | 72 to 78 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Break, 23°C, 2.00 mm, Injection Molded) | 4.41 | MPa | ASTM D638 |
| Tensile Elongation ² (Break, 23°C, 2.00 mm, Injection Molded) | 300 | % | ASTM D638 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tear Strength ³ (23°C) | 29.4 | kN/m | ASTM D624 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| -40°C, 6.40 mm, Injection Molded | No Break | | |
| 23°C, 6.40 mm, Injection Molded | No Break | | |
| Thermal | Nominal Value | Unit | Test Method |
| Brittleness Temperature | < -60.0 | °C | ASTM D746 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 60.0 to 90.0 | °C | |
| Drying Time | 3.0 to 4.0 | hr | |
| Rear Temperature | 180 to 200 | °C | |
| Middle Temperature | 120 to 220 | °C | |
| Front Temperature | 200 to 230 | °C | |
| Nozzle Temperature | 200 to 240 | °C | |

| | | |
|------------------------|--------------|-----|
| Processing (Melt) Temp | 200 to 240 | °C |
| Mold Temperature | 40.0 to 60.0 | °C |
| Back Pressure | 29.4 to 58.8 | MPa |
| Screw Speed | 30 to 60 | rpm |

| NOTE | | |
|------|------------|--|
| 1. | 200 mm/min | |
| 2. | 200 mm/min | |
| 3. | 50 mm/min | |

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