

LinGen FR290

Thermoplastic Elastomer

Shanghai Lin Gen Rubber Materials Co., Ltd.

Message:

LinGen FR290 is a thermoplastic elastomer (TPE) material. This product is available in the Asia-Pacific region and is processed by extrusion or injection molding.

The main features of LinGen FR290 are:

Flame Retardant

Halogen-free

| General Information | | | |
|---|-------------------|-------------------|-------------|
| Features | Halogen-free | | |
| | Flame retardancy | | |
| Processing Method | Extrusion | | |
| | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.20 | g/cm ³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 90 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 18.0 | MPa | ASTM D412 |
| Tensile Elongation (Break) | 400 | % | ASTM D412 |
| Aging | Nominal Value | Unit | |
| Change in Tensile Strength (135°C, 168 hr) | -20 | % | |
| Change in Ultimate Elongation (135°C, 168 hr) | -20 | % | |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | > 1.0E+12 | ohms | ASTM D257 |
| Dielectric Strength | 23 | kV/mm | ASTM D149 |
| Dielectric Constant (1 MHz) | 5.40 | | ASTM D150 |
| Dissipation Factor (1 MHz) | 0.050 | | ASTM D150 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 70 - 80 | °C | |
| Drying Time | 4.0 - 8.0 | hr | |
| Processing (Melt) Temp | 190 - 240 | °C | |
| Injection Pressure | 40.0 - 60.0 | MPa | |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | 180 - 230 | °C | |

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