

Melos™ FM 989

Butyl Rubber

Melos GmbH

Message:

Non flame-retardant bedding compound for XLPE insulation and HFFR sheathing.
Bedding compound for cables and wire with max. 90°C operating temperature at conductor.

| General Information | | | |
|----------------------------------|---------------------------|-----------|-------------|
| Features | Halogen Free | | |
| Uses | Wire & Cable Applications | | |
| RoHS Compliance | RoHS Compliant | | |
| Forms | Pellets | | |
| Processing Method | Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.91 | g/cm³ | ISO 1183/A |
| Mooney Viscosity (ML 1+4, 100°C) | 55 | MU | DIN 53523 |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A) | 75 | | ISO 7619 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress | > 0.500 | MPa | IEC 811-1-1 |
| Tensile Strain (Break) | > 20 | % | IEC 811-1-1 |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | > 1.0E+9 | ohms | VDE 0472 |
| Volume Resistivity (27°C) | > 1.0E+12 | ohms · cm | VDE 0472 |
| Extrusion | Nominal Value | Unit | |
| Cylinder Zone 1 Temp. | 80.0 to 100 | °C | |
| Cylinder Zone 2 Temp. | 90.0 to 110 | °C | |
| Cylinder Zone 3 Temp. | 90.0 to 110 | °C | |
| Cylinder Zone 4 Temp. | 95.0 to 115 | °C | |
| Adapter Temperature | 105 to 125 | °C | |
| Head Temperature | 110 to 130 | °C | |
| Extruder Screw L/D Ratio | 12.0:1.0 to 25.0:1.0 | | |
| Extruder Screw Temperature | 60 to 80 | °C | |
| Die Temperature | 110 to 130 | °C | |

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