

Desmovit® DP LFC 9585

Thermoplastic Polyurethane Elastomer (Ester/Ether)

geba Kunststoffcompounds GmbH

Message:

Transparent, ether-based injection moulding and extrusion type

Characteristics:

Permanent antistatic properties throughout the whole structure - independent of specific environmental conditions. Can be individually coloured, FDA compliant: suitable for food contact, free of PVC and latex.

Applications:

Components in the electrical and electronic industry tubes and containers for flammable liquids films, delivery and ventilation pipes, tubes, applications in the chemical industry Sensors

| General Information | | | |
|-------------------------------------|------------------------------------|-------------------|-------------|
| Features | Antistatic | | |
| | Conductive | | |
| | Food Contact Acceptable | | |
| | Good Colorability | | |
| Uses | Containers | | |
| | Electrical/Electronic Applications | | |
| | Film | | |
| | Industrial Applications | | |
| | Piping | | |
| | Tubing | | |
| Agency Ratings | FDA Unspecified Rating | | |
| Appearance | Natural Color | | |
| Processing Method | Extrusion | | |
| | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.20 | g/cm ³ | ISO 1183/A |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A) | 85 | | ISO 868 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress ¹ | | | DIN 53504 |
| -- | 38.5 | MPa | |
| 10% Strain | 3.00 | MPa | |
| 50% Strain | 6.50 | MPa | |
| 100% Strain | 8.60 | MPa | |
| Tensile Strain ² (Break) | 590 | % | DIN 53504 |
| Electrical | Nominal Value | Unit | Test Method |

| | | | |
|------------------------|---------------|---------|-----------|
| Surface Resistivity | < 1.0E+9 | ohms | IEC 60093 |
| Volume Resistivity | 1.9E+9 | ohms·cm | IEC 60093 |
| Injection | Nominal Value | Unit | |
| Drying Time | 4.0 | hr | |
| Processing (Melt) Temp | 220 to 235 | °C | |
| Mold Temperature | 40.0 to 80.0 | °C | |
| NOTE | | | |
| 1. | 200 mm/min | | |
| 2. | 200 mm/min | | |

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