

# Lifoflex® UV FLAM 80700

Thermoplastic Elastomer

Müller Kunststoffe GmbH

Message:

Lifoflex® UV FLAM 80700 is a Thermoplastic Elastomer (TPE) material. It is available in Europe for extrusion or injection molding.

Important attributes of Lifoflex® UV FLAM 80700 are:

- Flame Rated
- RoHS Compliant
- Flame Retardant
- Good Adhesion
- Good Flexibility
- Typical applications include:
  - Engineering/Industrial Parts
  - Construction Applications
  - Electrical/Electronic Applications
  - Wire & Cable

| General Information |                     |       |             |
|---------------------|---------------------|-------|-------------|
| Features            | Flame Retardant     |       |             |
|                     | Good Adhesion       |       |             |
|                     | Good Flexibility    |       |             |
|                     | Good Processability |       |             |
|                     | Halogen Free        |       |             |
|                     | Low Compression Set |       |             |
|                     | Low Smoke Emission  |       |             |
|                     | Low Toxicity        |       |             |
| Uses                | Building Materials  |       |             |
|                     | Cable Jacketing     |       |             |
|                     | Electrical Parts    |       |             |
|                     | Gaskets             |       |             |
|                     | Grommets            |       |             |
|                     | Profiles            |       |             |
| Agency Ratings      | DIN 5510-2:2009-5   |       |             |
|                     | DIN EN ISO 5659-2   |       |             |
|                     | EU 2003/11/EC       |       |             |
| RoHS Compliance     | RoHS Compliant      |       |             |
| Processing Method   | Extrusion           |       |             |
|                     | Injection Molding   |       |             |
| Physical            | Nominal Value       | Unit  | Test Method |
| Density             | 1.06                | g/cm³ | ISO 1183/A  |

| Hardness                               | Nominal Value | Unit | Test Method    |
|----------------------------------------|---------------|------|----------------|
| Shore Hardness (Shore A, 3 sec)        | 80            |      | DIN 53505      |
| Elastomers                             | Nominal Value | Unit | Test Method    |
| Tensile Stress - Flow (Yield)          | 5.30          | MPa  | DIN 53504      |
| Tensile Elongation - Flow (Break)      | 680           | %    | DIN 53504      |
| Compression Set                        |               |      | ISO 815        |
| 23°C, 72 hr                            | 31            | %    |                |
| 70°C, 22 hr                            | 48            | %    |                |
| Flammability                           | Nominal Value | Unit | Test Method    |
| Flame Rating (1.60 mm)                 | V-0           |      | UL 94          |
|                                        | 850           |      |                |
| Glow Wire Flammability Index (1.60 mm) | 650           | °C   | IEC 60695-2-12 |

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#### Recommended distributors for this material

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