

Filofill P2600 polyurethane resin



Specially designed for taped resin injection cablejoints up to 10kV. The resin contains polyether polyols, estherpolyols, and fire retardant additives. The hardner is a high quality MDI type. Filofill P2600 does not contain halogens or plasticizers. Filofill P2600 has good anti-corrosion properties and provides good adhesion to metals, ceramics, many different plastics and can be used on all plastic and paper isolated cable types.

Features

- Very high resistance against UV, chemicals and earth alkalines
- Very high hydrolysis resistance
- No halogens and plasticizers
- Good visibility of the mixing process through the transparent packaging
- High impact-resistance
- Low curing temperature
- No toxic emission
- Suitable for all cable materials (PVC, PE, PP and XLPE)
- In accordance with EN 60455-3-8:2018-02
- Recommended temperature during application 0°C and +35°C
- Storage temperature between +10°C and +35°C, short term between -10°C and +50°C
- Excellent curing characteristics

Specifications

Filofill P2600 polyurethane resin

| Properties | Unit | Value | Test Method |
|--|-------------------|----------------------|---------------|
| Potlife (process time) 0.3L at 5°C | minutes | 37 | IEC 60455-2 |
| Potlife (process time) 0.3L at 23°C | minutes | 17 | IEC 60455-2 |
| Potlife (process time) 0.3L at 40°C | minutes | 9 | IEC 60455-2 |
| Gel-time 0.1L at 30°C | minutes | 20 | |
| Exothermic peak 0.1L at 30°C | °C | 45 | |
| Density | g/cm ³ | 1.33 | EN ISO 1183-1 |
| Viscosity at 23°C | mPas | 1900 | EN ISO 2555 |
| Curing under water - Gas volume | ml | <5 | IEC 60455-2 |
| Hardness | Shore D | 50 | EN ISO 868 |
| Tensile strength | MPa | 11 | EN ISO 527 |
| Elongation at break | % | 61 | EN ISO 527 |
| Impact resistance | kJ/m ² | >20 / no break | EN ISO 179 |
| Volume resistivity at 23°C | Ohm | 9,5x10 ¹⁴ | IEC 60093 |
| Dielectric strength at 23°C | kV/mm | 20 | EN 60243-1 |
| Temperature resistance | °C | -25 tot +120 | |
| Dry heat resistance: 28 days at 120°C | | | IEC 60455-2 |
| Mass loss | % | 0,4 | IEC 60455-2 |
| Impact resistance | kJ/m ² | > 20 / no break | EN ISO 179 |
| Wet heat resistance: 28 days at 90°C | | | IEC 60455-2 |
| Hardness | Shore D | 45 | EN ISO 868 |
| Tensile strength | MPa | 8 | EN ISO 527 |

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| | | | |
|-----------------------------|---------|-------------|------------|
| Elongation at break | % | 40 | EN ISO 527 |
| Dielectric strength at 23°C | kV/mm | 20 | EN 60243-1 |
| General information | | | |
| Storage temperature | °C | +10 tot +35 | |
| Shelf life | months | 24 | |
| Mixing time | minutes | 2 | |

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More info

[Download: MSDS safety data sheet](#)

[Download: Mixing instructions resin packs with injection pump](#)

Products

| Art.nr. | Product Name | Colour | Content | Order unit |
|---------|-------------------------|--------|---------|---------------|
| 804606 | Filofill P2600 184ml | black | 184ml | 10 pcs/carton |
| 804610 | Filofill P2600 355ml | black | 355ml | 10 pcs/carton |