



With its innovative features and high-quality formulation, the P3100 FiloSlim resin sets a new standard in the industry. The P3100 FiloSlim Resin is formulated without CMR substances and MDI, ensuring safe usage without the need for mandatory diisocyanate safety training. This promotes a more user-friendly work environment while saving time and costs.

The resealable 'FiloSlim' filling system is a unique feature of the P3100 FiloSlim Resin. It enables precise dosing and minimizes waste, allowing you to work more efficiently. The addition of a color mixing indicator makes achieving consistent mixing ratios effortless, resulting in reliable outcomes. Furthermore, the resin exhibits high resistance to water and humidity during the curing process, delivering a durable seal even in challenging conditions.

Choose the Filoform P3100 FiloSlim Resin and experience its factual benefits. Resealable filling system, a color mixing indicator, and the exemption from mandatory training make working with this resin easy and safe. Discover the superior performance of the Filoform P3100 FiloSlim Resin and enhance your sealing projects.

PATENTED

## Features

- Type tested according to: IEC 60455-3-8:2021
- Resin formulation free from CMR substances
- MDI Free (No mandatory diisocyanate safety training required)
- Unique resealable 'FiloSlim' filling system
- New colour mixing indicator
- High resistance against water and humidity during curing
- L-R-W classified (Low Voltage – Rigid – Suitable for applications in presence of Water)
- Its unique low viscosity combined with a thixotropic character ensures optimal flow and easy hand filling of the cable joint.
- The packaging is very strong, flexible and leak proof.
- High hydrolysis constancy and good corrosive-resistant properties.
- No halogens or plasticizers.
- The resin enjoys high impact resistance.
- Low curing temperatures.
- No emissions of toxic substances.
- Recommended handling temperature is between 0 and +35°C.
- Storage temperature is between +10 and +35°C, short term -10 and +50°C.
- Mixed resin that remains in the packaging hardens completely and can be disposed of as normal industrial waste.
- The transparent two-component packaging enables visualization and ensures an optimal mixing process.

## Specifications

# FiloSlim resin P3100

| Properties                                   | Unit              | Value                   | Test Method     |
|--|-------------------|-------------------------|-----------------|
| Viscosity at 5°C                             | Pa.s              | 13.1                    | EN ISO 2555     |
| Viscosity at 23°C                            | Pa.s              | 2.78                    | EN ISO 2555     |
| Potlife (process time)                       |                   |                         |                 |
| 0.3 l at 5°C                                 | minutes           | 35                      | EN 60455-2      |
| 0.3 l at 23°C                                | minutes           | 20                      | EN 60455-2      |
| 0.3 l at 40°C                                | minutes           | 6                       | EN 60455-2      |
| Curing in the presence of water - Gas volume | ml                | 0                       | IEC 60455-2     |
| Exothermal temperature 0.3 l at 23°C         | °C                | 82                      | EN 60455-2      |
| Density                                      | g/cm <sup>3</sup> | 1.18                    | EN ISO 1183-1   |
| Impact strength                              | kJ/m <sup>2</sup> | >6 (no break)           | EN ISO 179      |
| Hardness                                     | Shore D           | 37                      | EN ISO 868      |
| Tensile strength                             | MPa               | 6.5                     | EN ISO 527      |
| Elongation at break                          | %                 | 39                      | EN ISO 527      |
| Volume resistivity at 23°C                   | Ohm.cm            | 6.19 x 10 <sup>14</sup> | IEC 62631-3-1+2 |
| Dielectric strength at 23°C                  | kV/mm             | >20                     | EN 60243-1      |
| Temperature resistance                       | °C                | -25 tot +110            |                 |
| Shelf life (10-35°C)                         | months            | 24                      |                 |
| Mixing time                                  | minutes           | 2                       |                 |
| Thermal resistance: 28 days at 120°C         |                   |                         | IEC 60455-2     |
| Mass loss                                    | %                 | 2.8%                    | IEC 60455-2     |
| Impact strength                              | kJ/m <sup>2</sup> | >4 (no break)           | EN ISO 179      |
| Wet heat resistance: 28 days at 70°C         |                   |                         | IEC 60455-2     |

## FiloSlim resin P3100

|   |       |       |            |
|---|-------|-------|------------|
| Hardness<br>(retention/original)            | %     | 97    | EN ISO 868 |
| Tensile<br>strength (retention/original)    | %     | 118.5 | EN ISO 527 |
| Elongation at<br>break (retention/original) | %     | 121   | EN ISO 527 |
| Dielectric strength                         | kV/mm | >20   | EN 60243-1 |
| IEC 60455-3-8:2021                          |       | L-R-W |            |

## More info

[Download: Material Safety Data Sheet \(MSDS\)](#)

## Products

| Art.nr. | Product Name               | Order unit   |
|---------|----------------------------|--------------|
| 804621  | Filoslim resin P3100 400ml | 8 pcs/carton |
| 804622  | Filoslim resin P3100 700ml | 6 pcs/carton |