



EG Two-component PUR cast resin

universal

Cast resin EG is suitable for the following types of cables: Low voltage polymeric-insulated and mass-impregnated paper cables up to 1 kV, polymeric-insulated and mass-impregnated paper telecommunication and signal cables and medium voltage cables (as mechanical protection and protection against moisture).

Characteristics

- Two-component PUR cast resin
- In practical and easy-to-use two-chamber bags
- Favourable flow properties
- High hydrolysis resistance
- Resistant to alkaline earth elements
- Stabilized against UV rays
- Halogen-free
- Not harmful to the environment
- Flexibility ensures mechanical stress absorption
- No fracturing under electrical stress
- No fracturing under mechanical tension
- Excellent adhesion to all cable materials
- Low hardening temperature

Test standards

- DIN VDE 0278-631-1

Storage conditions/Shelf life

- In aluminium bag 40 months at ambient temperatures between 15 °C and 35 °C



Scope of delivery

1 PU

Note: Other sizes available on request.

| Type | Content ml | Art.-No. |
|--------|------------|----------|
| 80 | 80 | 134999 |
| 143 | 143 | 124909 |
| 286 | 286 | 124986 |
| 370 | 370 | 124962 |
| EG 464 | 464 | 124989 |
| 730 | 730 | 124990 |
| 1000 | 1000 | 124992 |
| 1150 | 1150 | 124901 |
| 1500 | 1500 | 124991 |
| 2000 | 2000 | 132206 |

→ Continued on the next page



→ Continuation

EG Two-component PUR cast resin

| Technical data | Value |
|---|------------------------|
| Flash point of cast resin component (open cup) | > 200 °C |
| Flash point of reactant (open cup) | > 200 °C |
| Processing time (pot life) of 300 ml mixture at 5 °C | 40 minutes |
| 23 °C | 23 minutes |
| 35 °C | 15 minutes |
| max. Reaction temperature | 80 °C |
| Total volume shrinkage during curing | 4.0 % |
| Density | 1.10 g/cm ³ |
| Impact strength | > 10 kJ/m ² |
| Hardness | 55 Shore D |
| Combustibility | Category 2C |
| Water absorption in warm water (42 d at 50 °C) | 350 mg |
| Electrolytic corrosion | A 1 |
| 1 minute test voltage at 23 °C | > 20 kV |
| 80 °C | > 20 kV |
| Dielectric dissipation factor at 23 °C and 1 kHz | 0.05 |
| 23 °C and 50 Hz | 0.08 |
| Dielectric constant at 23 °C and 1 kHz | 5.3 |
| 23 °C and 50 Hz | 5.1 |
| Tracking resistance | KA 3c |
| Operating temperature range | -40 °C up to +105 °C |