



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



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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
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