

Two-component PUR cast resin
universal

Cast resin EG is suitable for the following types of cables: Low voltage polymericinsulated 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).



Product description

Article name	EG 180
Article number	160650
Notes	Other sizes available on request. REACH Regulation on the restriction of diisocyanates (for EU countries only)The European Commission amended Annex XVII of the REACH Regulation (EC) (new number 74) with Regulation (EU) 2020/1149, which entered into force on 24 August 2020. In accordance with the new REACH Regulation, appropriate training will be required prior to the industrial or professional use of diisocyanates, adhesives and sealants as of 24 August 2023. All information regarding training materials and training courses is available on the ISOPA/ALIPA website https://www.safeusediisocyanates.eu/

Characteristics
Favourable flow properties
High hydrolysis resistance
Stabilized against UV rays
Halogen-free
Resistant to alkaline earth elements
Not harmful to the environment
Flexibility ensures mechanical stress absorption
No fracturing under electrical stress
Excellent adhesion to all cable materials
Low hardening temperature
No fracturing under mechanical tension

Technical data

Article name	EG 180
Article number	160650
Test standards	DIN VDE 0278-631-1
Content	180 ml
Flash point of cast resin component (open cup)	> 200 °C
Flash point of reactant (open cup)	> 200 °C
Processing time (pot life) 300 ml mixture 5 °C	40 minutes
Processing time (pot life) 300 ml mixture 23 °C	23 minutes
Processing time (pot life) 300 ml mixture 35 °C	15 minutes
Reaction temperature max	80 °C
Total volume shrinkage during curing	4 %
Impact strength	> 10 kJ/m ²
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
1 minute test voltage at 80 °C	> 20 kV
Dielectric dissipation factor at 23 °C and 1 kHz	0.05
Dielectric dissipation factor at 23 °C and 50 Hz	0.08
Dielectric constant at 23 °C and 1 kHz	5.3
Dielectric constant at 23 °C and 50 Hz	5.1
Tracking resistance	KA 3c
Hardness	55 Shore D
Density	1.1 g/cm ³
Density cured casting compound (associated standard)	ISO 1183-1
Operating temperature range min	-40 °C
Operating temperature range max	105 °C

Logistics data

Article name	EG 180
Article number	160650
Delivery scope	Cast resin 180ml
Shelf life	40 Month
Shelf life description	In aluminium bag
Storage temperatur max	35 °C
Storage temperatur min	15 °C
Country of origin	Germany
Customs tariff number	39095090
EAN/GTIN	4010311103280

Packaging data

Alternative unit of measure	Case	Pal. OW
Base quantity	1	420
Base unit of measure	Piece	Piece
Lenght (mm)	191	1200
Width (mm)	152	800
Height (mm)	27	550
Net weight (kg)	0.261	109.62
Gross weight (kg)	0.261	127.82