Technical-Data-Sheet

EG

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). 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/



Product description

Article name	EG 1000
Material number	124992
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
Family notes	Other sizes available on request.

Technical data

Test standards	DIN VDE 0278-631-1
Content	1000 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/m²
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/cm³
Density cured casting compound (associated standard)	ISO 1183-1
Operating temperature range min	-40 °C
Operating temperature range max	105 °C

Logistics data

Delivery scope	Cast resin 1000ml
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-UPC	4010311008462			
Base quantity	1	1	144	
Base unit of measure	Piece	Piece	Piece	
Alternate quantity	1	1	1	
Alternative unit of measure	Piece	Case	Pal. OW	
Lenght	343	343	1200	
Width	187	187	800	
Height	47	47	770	
Dimension unit	Millimetres	Millimetres	Millimetres	
Volume	3.015	3.015	739.2	
Volume unit	Cubic decimetres	Cubic decimetres	Cubic decimetres	
Gross weight	1.221	1.221	194.024	
Net weight	1.221	1.221	175.824	
Weight unit	Kilogram	Kilogram	Kilogram	