Technical-Data-Sheet

FG

Two-component PUR cast resin

flexible

Cast resin FG is suitable for repairing damaged cable-sheaths and for connecting flexible cables. It provides an excellent resistance to abrasion. 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	FG 1000
Material number	125155
Characteristics	Favourable flow properties
	High hydrolysis resistance
	Halogen-free
	Resin remains highly flexible after hardening
	Flexibility ensures mechanical stress absorption
	No fracturing under mechanical tension
	No fracturing under electrical stress
	Excellent adhesion to all cable materials
	Low hardening temperature
	Excellent adhesion to all cable materials
	Low hardening temperature
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	21 minutes
Processing time (pot life) 300 ml mixture 23 °C	17 minutes
Processing time (pot life) 300 ml mixture 35 °C	12 minutes
Reaction temperature max	60 °C
Total volume shrinkage during curing	6 %
Water absorption in warm water (42 d at 50 °C)	600 mg
1 minute test voltage at 23 °C	> 20 kV
1 minute test voltage at 80 °C	> 10 kV
Dielectric dissipation factor at 23 °C and 50 Hz	0.2
Dielectric dissipation factor at 50 °C and 50 Hz	1.4
Dielectric constant at 23 °C and 50 Hz	7.4
Dielectric constant at 50 °C and 50 Hz	8.9
Tracking resistance	KA 3c
Hardness	50 Shore A
Density	1.1 g/cm³
Density cured casting compound (associated standard)	ISO 1183-1
Elongation at break	250 %

Logistics data

Delivery scope	Cast resin 1000ml
Shelf life	24 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	4010311014791			
Base quantity	1	1	72	
Base unit of measure	Piece	Piece	Piece	
Alternate quantity	1	1	1	
Alternative unit of measure	Piece	Case	Pal. OW	
Lenght	342	342	1200	
Width	186	186	800	
Height	47	47	550	
Dimension unit	Millimetres	Millimetres	Millimetres	
Volume	2.99	2.99	528	
Volume unit	Cubic decimetres	Cubic decimetres	Cubic decimetres	
Gross weight	1.225	1.225	106.4	
Net weight	1.225	1.225	88.2	
Weight unit	Kilogram	Kilogram	Kilogram	