

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).



Product description

Article name	FG 143
Article number	135534
Notes	Other sizes available on request. 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
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

Technical data

Article name	FG 143
Article number	135534
Test standards	DIN VDE 0278-631-1
Content	143 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 Test voltage 1 minute at 23 °C	> 20 kV
1 minute test voltage at 80 °C Test voltage 1 minute 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/cm ³
Density cured casting compound (associated standard)	ISO 1183-1
Elongation at break	250 %

Logistics data

Article name	FG 143
Article number	135534
Delivery scope	Cast resin
	Packed in practical and easy-to-use two-chamber bags
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/GTIN	4010311057316

Packaging data

Packaging type	Case	Pal. EU
Content quantity	1	420
Unit of measure	Piece	Piece
Lenght (mm)	189	1200
Width (mm)	152	800
Height (mm)	27	550
Net weight (kg)	0.23	96.6
Gross weight (kg)	0.23	125.6