# 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 730 |
| Material number | 124990 |
| 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 | 730 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 730ml |
| 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 | 4010311003818 | | | |
| Base quantity | 1 | 1 | 400 | |
| Base unit of measure | Piece | Piece | Piece | |
| Alternate quantity | 1 | 1 | 1 | |
| Alternative unit of measure | Piece | Case | Pal. OW | |
| Lenght | 228 | 228 | 1200 | |
| Width | 187 | 187 | 800 | |
| Height | 40 | 40 | 550 | |
| Dimension unit | Millimetres | Millimetres | Millimetres | |
| Volume | 1.705 | 1.705 | 528 | |
| Volume unit | Cubic decimetres | Cubic decimetres | Cubic decimetres | |
| Gross weight | 0.881 | 0.881 | 370.6 | |
| Net weight | 0.881 | 0.881 | 352.4 | |
| Weight unit | Kilogram | Kilogram | Kilogram | |