

Two-component PUR cast resin

low reactivity to water

Cast resin UWR has been specially developed for filling the cable joints exposed to high levels of humidity. It is characterised by its resistance to water in the liquid and in the solid state and is suitable for the encapsulation which are exposed to high levels of humidity for the following cable types: low voltage polymericinsulated and mass-impregnated paper cables up to 1 kV.



Product description

Article name	UWR 143
Article number	139163
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
Halogen-free
Not harmful to the environment
No fracturing under mechanical tension
No fracturing under electrical stress
Excellent adhesion to all cable materials
No fracturing under electrical stress
Excellent adhesion to all cable materials

Technical data

Article name	UWR 143
Article number	139163
Test standards	DIN VDE 0278-631-1
Content	143 ml
Flash point of cast resin component (open cup)	140 °C
Processing time (pot life) 300 ml mixture 5 °C	30 minutes
Processing time (pot life) 300 ml mixture 23 °C	15 minutes
Processing time (pot life) 300 ml mixture 35 °C	8 minutes
Reaction temperature max	88 °C
Total volume shrinkage during curing	4.2 %
Impact strength	> 28 kJ/m ²
Effect of long-term warm storage (38 d) on impact strength	15 kJ/m ²
Tensile strength	15 N/mm ²
Residual deformation (after 24 h)	0.4 %
Pressure required for 30 % deformation	27 N/mm ²
Curing under water	< 10ml glass
Hydrolysis resistance after water immersion (28 d at 70 °C)	fulfilled
Physical structure	Passed (homogeneous and bubble-free)
Hardness	60 Shore D
Density	1.2 g/cm ³
Density cured casting compound (associated standard)	ISO 1183-1
Elongation at break	40 %
Tensile strength at break	16 MPa

Logistics data

Article name	UWR 143
Article number	139163
Delivery scope	Cast resin 143ml
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	4010311027425

Packaging data

Alternative unit of measure	Case	Pal. OW
Base quantity	1	420
Base unit of measure	Piece	Piece
Lenght (mm)	192	1200
Width (mm)	153	800
Height (mm)	27	550
Net weight (kg)	0.241	101.22
Gross weight (kg)	0.241	119.42