



Two-component polyurethane cast resin

RELICON PUR 112 FR

The RELICON PUR 112 FR cast resin is flame retardant according to UL94 V0 and is used in areas with increased fire protection requirements. It has been created for electrical insulation and mechanical protection of cable connections in the low- and medium-voltage range.

Application: For indoor and outdoor use.

Features and Benefits

- In a practical, transparent two-chamber pouch
- Safe-Filling system (SF)
- Excellent flow properties, low volume shrinkage
- Flame retardant according to UL94 V0
- Cold curing and very hydrophobic, to cast under the influence of water
- High hydrolytic stability and good curing at low temperatures
- UV, ageing and weather resistant
- Outstanding impact strength and resistance to moisture and atmospheric corrosion
- Excellent adhesion to polymeric cables and wires made of PVC, XLPE, PE, EPR
- SVHC-free, contains no hazardous substances, the cured product can be disposed of with house hold waste
- Halogen free



Two-component polyurethane cast resin PUR 112 FR.

MATERIAL	Polyurethane resin 112 FR (PUR112 FR)
Colour	Beige (BGE)
Operating Temperature	-25 °C to +130 °C
Mixing Ratio (weight)	100:22
Gel Time	70 min. 5 °C, 20 min. 23 °C, 8 min. 40 °C
Pot Life	50 min. 5 °C, 15 min. 23 °C, 5 min. 40 °C
Dielectric Strength	>20 kV/mm
Impact Strength	> 8 kJ/m ²
Shore Hardness D	80±5
Storage Temperature	+4 °C to +40 °C
Shelf Life	36 months



TYPE	Resin Quantity	Article-No.
Resin-112FR	95 ml/144 g	435-01100
	165 ml/251 g	435-01101
	220 ml/334 g	435-01102
	240 ml/365 g	435-01103
	400 ml/608 g	435-01104
	455 ml/692 g	435-01105
	490 ml/745 g	435-01106
	655 ml/996 g	435-01107
	955 ml/1452 g	435-01108
	1140 ml/1733 g	435-01109
	1445 ml/2196 g	435-01110
	1640 ml/2493 g	435-01111
	1950 ml/2964 g	435-01112
	2045 ml/3108 g	435-01113

All dimensions in mm. Subject to technical changes.

For product specific approvals please contact us under www.HellermannTyton.com