

Description: Relicon® PUR 44 Flex is a cold- hardening, flexible, universally applicable two- component polyurethane cast resin for the low- voltage range.

Application: Mechanical protection and electrical insulation for low- voltage joints indoors and outdoors as well as for casting under water.

Properties: Excellent flow behaviour
Ready for use immediately
Good chemical resistance
In a practical, transparent two- chamber pouch
Safe filling thanks to the SF- System
Very good flexibility at low temperatures
Reelable
Very good abrasion resistance
Excellent adhesion on all plastic cables and wires
Low exothermic reaction temperature
Halogen-free
Good hardening even at low temperatures
No dangerous waste with homogeneous mixing of the resin
SVHC- free (contains no dangerous substances)

Processing properties:

Mixing ratio:	A:B	100:22
Pot time	bei 5°C	35 min.
	bei 23°C	15 min.
	bei 40°C	6 min.

Physical properties:

Comonent A (resin)		
Density at 20°C	1,20 g/cm³	DIN EN ISO 2811-2
Viscosity at 25°C	3500 mPa*s	EN ISO 2555
Comonent B (hardener)		
Density at 20°C	1,20 g/cm³	DIN EN ISO 2811-2
Viscosity at 25°C	1800 mPa*s	EN ISO 2555
Mixed cast resin		
Density at 20°C	1,20 g/cm³	DIN EN ISO 2811-2
Viscosity at 5°C	2500 mPa*S	EN ISO 2555

Mechanical properties: (hardened)

Shore hardness A	60	EN ISO 868
Tensile strength	7 MPa	EN ISO 527

Electrical properties: (hardened)

Volume resistance 23°C	1,2*10 ¹⁴ Ω*cm	IEC 60250
Volume resistance 80°C	3,3*10 ¹² Ω*cm	IEC 60250
Dielectric strength 23°C	20 kV/mm	EN 60243-1
Lost factor 23°C 50Hz	< 0,04	IEC 60250
Lost factor 80°C 50Hz	< 0,20	IEC 60250
Dielectric constant 23°C	4,0	IEC 60250
Dielectric constant 80°C	5,0	IEC 60250

Electrical properties after thermal storage at 120°C for 28 days

Dielectric strength 23°C	48 kV/mm	EN 60243-1
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Electrical properties after immersion in water for 28 day at 70°C:

Dielectric strength 23°C	20 kV/mm	EN 60243-1
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Usage information:

The resin is delivered in a transparent two- chamber plastic pouch. Both components are separated by a middle seam. In order to protect the resin from dampness and the thereby guarantee optimal durability of the products, the transparent plastic pouch is shrink-wrapped in a paper pouch laminated with aluminium. Further instructions for use and processing can be found on this data sheet or on the product packaging.

Storage:

Das Relicon® PUR 44 Flex must be stored in a protective aluminium pouch at ambient temperatures of between 5°C and 40°C. When stored appropriately, the product can be stored for 24 months. The expiry date can be found on the product packaging.

Safety information:

Safety information relating to the potential effects on health, safe handling, storage, usage and disposal of the product can be found on our product- specific safety data sheet.

Article- No.	Typ	ml / g
435-00350	RELICON PUR44F PUR GY 95	95 / 114
435-00351	RELICON PUR44F PUR GY 165	165 / 198
435-00352	RELICON PUR44F PUR GY 220	220 / 264
435-00353	RELICON PUR44F PUR GY 240	240 / 288
435-00354	RELICON PUR44F PUR GY 400	400 / 480
435-00355	RELICON PUR44F PUR GY 455	455 / 546
435-00356	RELICON PUR44F PUR GY 490	490 / 588
435-00357	RELICON PUR44F PUR GY 655	655 / 786
435-00358	RELICON PUR44F PUR GY 955	955 / 1146
435-00359	RELICON PUR44F PUR GY 1140	1140 / 1368
435-00360	RELICON PUR44F PUR GY 1445	1445 / 1734
435-00361	RELICON PUR44F PUR GY 1640	1640 / 1968
435-00362	RELICON PUR44F PUR GY 1950	1950 / 2340
435-00363	RELICON PUR44F PUR GY 2045	2045 / 2454



SVHC
free



REACH
1907/2007



RoHS

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This information is based on our experience and does not imply suitability without prior testing. Due to the variables of manufacture and environmental conditions it is strongly recommended that samples are tested in-situ