

Insulation / Flame protection

Resin 8612/20 (ex ST13) + Hardener 8930 (ex 3000)

- 2-components polyurethane casting resin
- solvent-free and silicon-free system
- CRM free
- hard curing degree
- no halogenated flame-retardants
- self-extinguishing properties
- electrically insulating
- excellent adhesive properties
- ideal for electronic components, e.g. sensors, lithium-ion batteries and transformers

Product specification:

Mixing ratio (weight):	Resin 8612 Hardener 8930	100 parts 25 parts
Viscosity (22°C):	Resin 8612	3'500 – 4'500 mPa·s
	Hardener 8930	450 – 750 mPa·s
	Mixing viscosity	1'200 – 1'800 mPa·s
Density (22°C):	Resin 8612	1.60 – 1.65 g/cm ³
	Hardener 8930	1.10 – 1.15 g/cm ³
Colour:	Nature (cream)	
Pot life:	15 – 25 minutes	
	The curing time depends on the thickness of the layer, the casting volume and the temperature.	
Curing time (22°C):	12 – 24 hours	
Final hardness	10 – 14 days	

Physical properties:

Shore-Hardness:	D 30 – 40	ISO 868, DIN 53505
Thermal conductivity:	0.6 W/(m·K)	DIN EN ISO 22007
Glass transition temperature:	-25.0 °C	TMA
Coefficient of expansion:	135.4 ppm/K 153.4 ppm/K	< Tg, TMA > Tg, TMA
Shrinkage after curing:	<1 %	
Water absorption:	0.3 % (30 days at 23°C)	
Insulation class:	B	IEC 60085
Operating temperature:	-40°C up to +130°C	
Flammability classification:	V-0 in 4.0 mm	

Shelf life:	6 months in sealed original containers when stored in dry conditions (15°C to 25°C).
Packaging:	Resin and hardener are offered in separate packaging units.
RoHS:	We hereby certify that all our products are unexceptional RoHS conform, according to the EU directive 2011/65/EG (RoHS2) and the amendment of Directive 2015/863.

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