

Insulation / Flame protection

Resin 8612C/20N (ex ST 13) + Hardener 8930 (ex 3000)

- **2-components polyurethane casting resin**
- **CMR-free ***
- **solvent-free and silicon-free system**
- **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**

* not subject to CMR labelling according to section 2 of the safety data sheet

Product specification:

Mixing ratio (weight):	Resin 8612C	100 parts
	Hardener 8930	25 parts
Viscosity (22°C):	Resin 8612C	3'500 – 4'500 mPa·s
	Hardener 8930	450 – 750 mPa·s
	Mixing viscosity	1'200 – 1'800 mPa·s
Density (22°C):	Resin 8612C	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	< T _g , TMA
	153.4 ppm/K	> T _g , TMA
Shrinkage after curing:	<1 %	
Water absorption:	0.3 % (30 days at 23°C)	
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.

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