

## GapFiller

### Resin 8793 (ex GF93) + Hardener 8993 (ex G4093)

- **2-components polyurethane GapFiller**
- **solvent-free system and electrically insulating**
- **excellent thermal conductivity**
- **no metallic fillers**
- **no halogenated flame-retardants**
- **excellent adhesive properties**
- **ideal for heat-reduction of battery systems, power electronics and high performance components**

#### Product specification:

Mixing ratio (volume):	Resin 8793	100 parts
	Hardener 8993	100 parts
Viscosity (22°C): (At 10 rpm)	Resin 8793	70'000 – 90'000 mPa·s
	Hardener 8993	80'000 – 100'000 mPa·s
	Mixing viscosity	70'000 – 100'000 mPa·s
Density (22°C):	Resin 8793	2.20 – 2.30 g/cm <sup>3</sup>
	Hardener 8993	2.20 – 2.30 g/cm <sup>3</sup>
Colour:	Nature (beige)	
Pot life:	20 – 30 minutes	
Curing time (22°C):	24 – 48 hours	
Final hardness	10 – 14 days	

**Physical properties:**

Shore-Hardness:	A 60 – 70	ISO 868, DIN 53505
Thermal conductivity:	3.0 W/(m·K)	DIN EN ISO 22007
Glass transition temperature:	-65.7 °C	TMA
Coefficient of expansion:	47.2 ppm/K	< T <sub>g</sub> , TMA
	158.3 ppm/K	> T <sub>g</sub> , TMA
Shrinkage after curing:	<1 %	
Water absorption:	0.4 % (30 days at 23°C)	
Operating temperature:	-40°C up to +130°C	
Flammability classification:	V-0 in 4.0mm	

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 cartridges or separate packaging units on request.

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