

GapFiller

Resin 8791 (ex GF 91) + Hardener 8991 (ex G4091)

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

Product specification:

Mixing ratio (volume):	Resin 8791	100 parts
	Hardener 8991	100 parts
Viscosity (22°C):	Resin 8791	55'000 – 70'000 mPa·s
	Hardener 8991	80'000 – 95'000 mPa·s
	Mixing viscosity	65'000 – 85'000 mPa·s
Density (22°C):	Resin 8791	2.55 – 2.65 g/cm ³
	Hardener 8991	2.55 – 2.65 g/cm ³
Colour:	Nature (beige)	
Curing time (22°C):	24 – 48 hours	
Final hardness	10 – 14 days	

Physical properties:

Shore-Hardness:	> A 30	ISO 868, DIN 53505
Thermal conductivity:	1.0 W/(m·K)	DIN EN ISO 22007
Shrinkage after curing:	<1 %	
Water absorption:	0.4 % (30 days at 23°C)	
Insulation class:	F	IEC 60085
Operating temperature:	-40°C up to +130°C	
Flammability classification:	V-0 in 4 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.

TDS_8791+8991_e/PC/07.09.2022