

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/cm³
	Hardener 8991	2.55 – 2.65 g/cm³
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)	
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 cartridges or separate packaging units on request.

Our technical advice, whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and therefore, entirely your own responsibility. Should in spite of this, liability be established by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

TDS_8791+8991_e/PC/27.02.2023