

Structalit® 8811 is a black medium viscose 1 part epoxy adhesive. Due to its excellent flowing property it is able to diffuse into small gaps and to seal electrical components on PCBs and FPCBs. Structalit® 8811 can be cured very fast at moderate temperature. It is very good resistant against the influence of humidity, organic liquids and other solvents. The product is halogen free and RoHS confirmed. The product is recommended to be stored at temperatures of approx. 5°C. Acclimate the materials at least for 2h up to room temperature.

Shelf life:

Store in original, unopened containers for 6 months at max. 5°C

Technical Data

Color	black
Resin	1K-Epoxy
Filler	Kreide

UNCURED PROPERTIES

Viscosity (Brookfield LVT/25°C) [mPa·s]	PE-Norm P001	30000 to 45000
Flash point [°C]	PE-Norm P050	> 100
Density [g/cm³]	PE-Norm P003	approx. 1.37

Thermal Curing

180 minutes at	80 °C	Object temperature
15 minutes at	100 °C	
5 minutes at	130 °C	

CURED PROPERTIES

Temperature Resistance [°C]	PE-Norm P030	-40 to 200
Hardness [Shore D]	PE-Norm P052	80 to 90
Shrinkage [Vol-%]	PE-Norm P031	.14
Water Absorption [mass-%]	PE-Norm P053	< 0.21
Tg [°C] (DSC)	PE-Norm P009	125 to 140
CTE [ppm/K]	PE-Norm P017	79.8
Thermal conductivity [W/m·K]	ASTM 1530	0,54

Our data sheets have been compiled to the best of our knowledge. The information included in our data sheets is exclusive information for the intended user and describes characteristics, with no declaration of commitment. We recommend trials in order to confirm that our products satisfy the particular application requirements. For an additional technical consultation, please contact our RD department. In general, for guarantee claims, please refer to our standard terms and conditions.

**Adhesives
and more...**



TECHNICAL DATASHEET

Structalit® 8811

Mechanical Data

Lap Shear Strength (Alu/Alu) [MPa]	[PE-Norm P013] approx. 12.1
Lap Shear Strength (Steel/Steel) [MPa]	[PE-Norm P013] approx. 29.2
Lap Shear Strength (Messing/Messing) [MPa]	[PE-Norm P013] approx. 18.0

Instructions for Use

Surface Preparation

The surfaces to be adhered should be free of dust, oil, fat or any other dirt in order to optimise reproducible bonds. Lightly soiled surfaces can be cleaned with cleaner IP, whereas substrates with low surface energy (such as polyethylene, polypropylene or Teflon) need to be treated physically using plasma or corona to create a suitable working surface.

Application

Our products are delivered ready for use. As soon as you receive them, you can dispense them, be it by hand from the container, or semi/fully automatically. When applied automatically, we recommend the use of air pressure with the appropriate cartridge/piston combination to dispense the adhesive at the required speed and accuracy. If help is required, please consult our engineering department

Please read the corresponding **Safety Data Sheet** for this product.

Kleben
und mehr...