

Structalit ® 5890 is a black thermal cure 1-C glob-top product that cures fast at low temperatures and features excellent heat conductivity as well as good shock resistance. Please store at 5 °C for 6 months.

Technical Data

Color	black
Resin	1K-Epoxy
Filler	approx. 50% quartz

UNCURED PROPERTIES

Viscosity (Brookfield LVT/25 °C) [Pa·s]	PE-Norm P001	300 to 400
Flash point [°C]	PE-Norm P050	> 100
Density [g/cm³]	PE-Norm P003	approx. 1.5

Thermal Curing

3	minutes at	150 °C
10	minutes at	120 °C
20	minutes at	110 °C
45	minutes at	100 °C

CURED PROPERTIES

Temperature Resistance [°C]	PE-Norm P030	-40 to 180
Hardness [Shore D]	PE-Norm P052	80 to 90
Volume resistivity [Ohm x cm]	ASTM-D-257-93	1E+16
Water Absorption [mass-%]	PE-Norm P053	< 0.08
Tg [°C] (DSC)	PE-Norm P009	110 to 130
CTE [ppm/K]	PE-Norm P017	35
Dielectric Constant [10kHz]	PE-Norm P054	3.3
Thermal conductivity [W/m·K]	ASTM 1530	0,8
Dielectric Strength [kV/mm]	PE-Norm P055	18.2

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® 5890

Mechanical Data

Lap Shear Strength (Steel/Steel) [MPa]

[PE-Norm P013] approx. 22.3

**Kleben
und mehr...**

XP.10.118

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**As a rule, the guidelines for application, storage and so on
contained in our general Data Sheet on Structalit® apply.**

27.11.2012 / 05.03.2013
KATRIN.FUCHS