

Structalit® 5893 can be used as thermal curable 1-C glop top product or as dieattach that cures fast at low temperatures.  
 The product features excellent shock resistance.  
 Particle size : Maximum 150 my.

Structalit® 5893 can be stored at 5°C for 9 months in unopened containers. The product tends to crystallize, a process that can easily be reversed at 40°C for 1 hour.

## Technical Data

Color	black
Resin	1K-Epoxy
Filler	approx. 35% quartz

## UNCURED PROPERTIES

Viscosity (Brookfield LVT/25°C) [mPa*s]	PE-Norm P001	6000 to 10000
Flash point [°C]	PE-Norm P050	> 100
Density [g/cm³]	PE-Norm P051	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 [Gew-%]	PE-Norm P053	< 0,11
TG DSC [°C]	PE-Norm P009	110 to 130
Thermal Expansion [ppm/K]	PE-Norm P017	25
Dielectric Constant [10kHz]	PE-Norm P054	3.3
Thermal conductivity [W/mK]	ASTM 1530	0,5
Dielectric Strength [kV/mm]	PE-Norm P055	18.5

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.

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