



TECHNICAL DATASHEET

Elecolit® 6616

Elecolit® 6616 is a high-strength, 2K thermally conductive adhesive on an epoxy resin basis, processed in a 1 : 1 mixing ratio. Its toughness provides an excellent combination of cutting and peeling resistance. The product is also superior in terms of vibration and shock resistance. Even at very low temperatures, this adhesive maintains its flexibility.

Elecolit® 6616 is a high performance adhesive, which has successfully passed 500 temperature changes from -50°C / +150°C.

Shelf life: 12 months at 25°C

Technische Daten :

Color black
Resin 2K-Epoxy

UNCURED PROPERTIES

Viscosity paste-like
Flash point -
Pot-Life [min.] PE-Norm P019 approx. 45

Curing

24 hours at 25 °C
120 minutes at 80 °C

CURED PROPERTIES

Temperature Resistance [°C]	PE-Norm P030	-50 to 150
Hardness Shore D	PE-Norm P052	81
Volume resistivity [Ohm x cm]	ASTM-D-257-93	3E+14
Shrinkage [Vol-%]	PE-Norm P031	1
TG DSC [°C]	PE-Norm P009	> 85
Thermal Expansion [ppm/K]	PE-Norm P017	77
Dielectric Constant [10kHz]	PE-Norm P054	5.3
Thermal conductivity [W/mK]	ASTM 1530	1.01

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...

Instructions for Use

Surface Preparation

The surfaces to be bonded should be free of dust, oil, fat or any other dirt in order to optimise reproducible results. Lightly soiled surfaces can be cleaned with cleaner IP to create a suitable working surface.

Application

Our Elecolit 2-C products are delivered in separate packing units. Resins can crystallize at deep temperature storage- this process will be reversible by heating for 1 hour at 40°C.

The components A and B have to be homogenised well, weigh out in mixing ration and homogenised with each other for min. 2 minutes.

From now, the pot life time starts and the adhesive has to be applied rapidly.

You can dispense or use them for screen printing processes.

Curing

For curing heat must be applied. In some cases they will cure even at room temperature. But higher temperature will reduce the curing time. For detailed curing information, please look into the technical data sheet.

If help is required, please contact our engineering department.

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