DIAPOL 508, semi-rigid
Temperature resistance -50°C + 130°C

PRODUCT DESCRIPTION

- ✓ Resin without solvent
- ✓ 100% polymerizing
- ✓ Low level of water absorption
- ✓ Hardening at room temperature
- ✓ No chemical aggression
- ✓ Low exothermic reaction
- ✓ High level of adherence to metals and plastics

APPLICATION

DIAPOL 508 is a molding resin with multiple electrical and electronic applications (e.g. transformers, capacitors, printed circuits, electromagnets, etc.)

HOW TO USE

DIAPOL 508 resin is supplied in two separate and previously dosed components: red/black resin and catalyst 500. The mixture weight ratio (resin / catalyst) is 100/28. Hermetic and sealed containers must be stored at room temperature (15-25°C), thus ensuring a shelf life of 1 year. Due to the fact that the mineral content over time settles on the bottom of the container, the resin must be well mixed before use. The DIAPOL 508 resin can be mixed with the catalyst at room temperature at a dose of 100/28. However, for a better finish we recommend preheating the resin to approx. 50°C. It is recommended to use automatic mixing / dosing devices to operate this product. If you want to peel off the polymerized resin, we recommend using EURO-SILICON spray. In the case of closed parts, which must have maximum electrical characteristics, it is recommended that the forming takes place in a vacuum.

CHARACTERISTICS	DIAPOL 508	CATALIZATOR 500	MIX 100/28
Viscosity at 25ºC (mPa·s)	6000 ± 2000	200 ± 50	4000 ± 2000
Density at 20ºC (g/cm3))	1,55 ± 0,02	1,23 ± 0,01	1,51 ± 0,02

Pot Life at 25ºC (min) 30-60
Shore D hardness 82
Tensile strength (Mpa)..... 43
Ultimate elongation (%) 4
Water absorption 24 h. 20ºC (% weight) 0.3
Dielectric strength 50Hz, 20ºC (kV/mm) 20
Surface resistivity (Ohm) ..... $2,10^{14}$
Specific resistance (Ohm/cm) ..... $1,10^{16}$
Thermal conductivity (W/mK) 0.5-0.6
Martens point (ºC) 80-85

PACKAGES

The product is available in 1kg, 5kg and 25kg packages. Available on request in packages of 140kg, 300kg and 1000kg.

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