

Resinex 70

Resinex 70 is a semi - flexible casting resin system based on polyurethane consisting of resin + hardener.

This two components potting compound, designed for use in the electrical and electronics industries as a potting and capsulating material. Its advantages are:

- slow hardening with little heat development.
- **Flame retardant according to UL-94, V-0.**
- Low shrinkage and good penetration.
- Good resistance to chemicals and climatic influence.
- Pouring possible after a long period after mixing.

properties of components	resin	hardener
appearance	black liquid	black liquid
viscosity (at 25 ⁰ C)	3500 mPas	200 mPas
specific gravity (at 25 ⁰ C)	1.40	1.23
flash point	>200 ⁰ C	>200 ⁰ C

properties of mixture	test measurements
mix ratio (by weight)	100 resin / 20 hardener
gel time (at 23 ⁰ C)	45-90 minutes
cure time (at 25 ⁰ C)	24 hours

properties of cured mixture	test measurements
specific gravity	1.38
hardness Shore A	90
tensile strength	5.5 MPa
elongation	45 %
electrical strength	17 kV/mm
flammability (UL-94)	V-0, (1.5mm)