

Resinex 50

Resinex 50 is a flexible, reentrable polyurethane, for use in the electronic and electrical industry as a potting and encapsulating material. Its advantages are:

- Slow hardening with little heat development.
- Reentrable, can easily cut off.
- 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	Brown liquid
viscosity (at 20 ⁰ C)	-----	-----
specific gravity (at 20 ⁰ C)	1.19	1.24
flash point	>200 ⁰ C	>200 ⁰ C

properties of mixture	test measurements
mix ratio (by weight)	100 resin / 23 hardener
gel time (at 20 ⁰ C)	60-90 minutes
cure time (at 20 ⁰ C)	24 hours

properties of cured mixture	test measurements
specific gravity	1.2
hardness Shore A	55
tensile strength	45 psi
volume shrinkage after curing	1.8 %
electrical strength	10 kV/mm
water absorption	0.13 - 0.19%