

Resinex 1

Resinex 1 is a two component epoxy, clear, unfilled, for encapsulating splices. It's advantages are:

- The low viscosity gives maximum penetration.
- Excellent dielectric properties.
- No air voids, complete moisture protection.
- Recommended for communication splices, especially for paper Insulated cables.

| properties of mixture | test measurements |
|--|--------------------------|
| mix ratio (by weight) | 50 resin / 50 hardener |
| mixture viscosity (at 25 ⁰ C) | 2000cps |
| gel time (at 25 ⁰ C) | 4-5 hours |
| cure time (at 25 ⁰ C) | 72 hours |

| properties of cured mixture | test measurements |
|--|----------------------------|
| specific gravity | 1.1 |
| hardness Shore A | 95 |
| tensile strength | 2500 psi |
| elongation | 7.1 % |
| electrical strength (at 30 ⁰ C) | 17 kV/mm |
| volume resistivity (at 30 ⁰ C) | $1.5 \cdot 10^{15}$ ohm/cm |