

P.U. (Polyurethane) 130° C

Enamel		modified polyurethane
Insulation class		130°C
Wires	diameters	0,05 - 1,00 (copper)
	coverings	grade 1,2
	standards	IEC 317 - 4 / 1990

PU is manufactured with an improved type of modified polyurethane film coating which has many desirable properties such as solderability, low loss at high frequencies and superior corona resistance.

Characteristics

- a. **Solderable without prior removal of film** at 375°C (680°F)
- b. Good abrasion resistance.
- c. Compatible with many varnishes and impregnating compounds.
- d. Good heat shock resistance and retention of flexibility after heat ageing.
- e. Excellent dielectric strength.
- f. Superior dielectric loss properties at high frequencies.
- g. Superior moisture resistance.
- h. Good solvent resistance
- i. Abrasion resistance not sufficient for some high speed automatic winding applications.
- j. Susceptible to solvent crazing (will self-heal).

Typical Applications†

- Field, ignition, regulator, horn, meter, and miscellaneous electronic coils (R.F. flyback, choke, etc.)
- Ballasts (fluorescent).
- Miscellaneous small transformers (appliances, controls, etc.).
- Open motors (fractional and smaller)
- Electric valve coils
- Telephone and switching equipment relays.