

TECHNICAL INFORMATIONS ROYAPREG

PRODUCT DESCRIPTION

The insulating material Royapreg is TERCOTT MTS fully impregnated by B-Stage modified Epoxy resin.

APPLICATION

various applications, among others; in electrical engineering as an "intermediate layer" in multilayer circuit boards and as insulating material for electrical machines and transformers, rotor blades in wind turbines

CHARACTERISTICS

PROPERTIES	TOLERANCE	TF11	TF17	TF20	TF22	TF26	TF33
Total thickness (mm)	±15%	0.11	0.17	0.20	0.22	0.26	0.33
Thickness carrier	±15%	0,09	0,15	0,18	0,20	0,24	0,30
Weight total	±15%	118	153	190	223	258	350
Breakdown voltage (kV)	min	4	6	7	9	10	11
Thermal class	155°C						

On request, other combinations can be studied.

CURING

The temperature and time of polymerization of the resin must be adapted according to the final product or application system. We recommend:

3 min 190°C	20 min 170°C	45 min 150°C
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PACKAGE

Due to the natural instability of B-stage insulating material in general, we strongly recommend that ROYAPREG is stored in cool, dry areas in its original packaging, protected from sunlight and radiated heat at maximum temperature 25°C. The shelf life is 8 months to 5°C and 4 months at temperatures between 25-30°C.