

Presssite™

Composite material made with electrical laminate and thermosetting epoxy resin

1. COMPOSITION

Composition: Presssite™ is a composite made from layers of electrical laminate impregnated with epoxy resin and pressed until the resin is fully cured.

2. PROPERTIES

Properties: The resulting rigid laminate has elastic and flexible characteristics, good mechanical and physical properties, and a low abrasion coefficient.

3. APPLICATION

Application: Presssite™ can be used for electrical insulation components, including punched pieces, slot closure wedges, spacer strips, and round, square or rectangular tubes and cylinders. Material up to 1.5 mm thick can be folded by hand without wrinkles or cracks. Its flexibility and moldability also allow special shapes for electrical equipment.

4. TECHNICAL DATA

Properties	Unit	Value
Density	g/cm ³	1.35 ± 5%
Shrinkage (30° to 150°C)	%	max. 1.5
Water absorption (24 hours in water at 25°C)	% by weight	< 0.6
Melting point	°C	Approx. 260
Dielectric breakdown voltage	kV	1 mm > 25 2 mm > 40 3 mm > 60 (*) 4 mm > 60 (*) 5 mm > 60 (*)
Thermal class	-	F (155°C)

(*) Our laboratory can measure up to 58 kV.

5. AVAILABILITY

Availability: Standard sheet size: 1000 mm × 2000 mm. Punched pieces can also be supplied to customer designs.

6. SHELF LIFE

Shelf Life: 12 months with light proof and no air contact package

These figures are typical values only and do not constitute a specification.

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Above information is liable to change due to innovations and improvements in manufacturing process.

We suggest all customers who will use Presssite™ to repeat the curing condition cycles in their laboratory or industrial process in order to confirm our results. Condition test or specimens can affect final result.

7. NOTES

Presssite™ is a trademark of MaterialPartner Technische Werkstoffe GmbH.

8. VERSIONING

Rev. 1 dated 20/05/2026