

PRODUCT INFORMATION

ELEPHANTIDE POLYESTER LAMINATE

PRODUCT DESCRIPTION

The Elephantide/Polyester range of combined flexible materials are produced by laminating various thicknesses of blue Elephantide grade 3 Presspaper to 0.023mm and 0.05mm thick polyester film. The Presspaper exhibits a higher degree of flexibility and crease resistance to conventional Kraft based papers. The Electrical and mechanical characteristics of this are enhanced by combining with Polyester film. Elephantide/Polyester combined materials will slowly embrittle at temperatures over 100°C but have the ability to withstand short term temperatures up to 180°C. This offers adequate service performance in a variety of applications at 130°C (class B).

PROPERTIES

High tear strength, High inter-laminar shear strength, High flexibility, Insulation Class E (120°C) good electrical and mechanical properties.

TECHNICAL INFORMATION

Grade Combination Thou	Nominal Thickness mm	Elephantide Thickness mm	Polyester Thickness (mm)	Tensile Strength N/10mm	Elongation Longitudinal % (min)	Electrical Strength 50Hz rapid rise @ 21°C
5/1	0.16	0.13	0.023	>120	3	6kV min
5/2	0.19	0.13	0.050	>130	3	8kV min
10/2	0.31	0.25	0.050	>225	5	8kV min
15/2	0.46	0.40	0.050	>360	5	8kV min