

TECHNICAL DATA

HYPLY® K - Kraft Paper/Polyester Film Laminates

DESCRIPTION

The Hyply® K range of composite materials are constructed by laminating 100% wood pulp Kraft paper (BS5626-3.1) to one or both sides Polyester (PET) Film in various thickness combinations.

A specially formulated synthetic adhesive is employed in the laminating process, which is compatible with the individual component layers.

PROPERTIES

- Suitable for use up to 120°C (Class E)
- Unaffected by hot or cold water
- Unaffected by diluted acids, solvents & common types of insulating varnishes & resins
- Resistant to transformer oils & lubricating greases
- Highly flexible
- Low slip surface (Kraft paper side)

APPLICATIONS

Hyply® K is employed in Class E (120°C) rated electric machines as ground and interleaving insulation.

STANDARD DIMENSIONS & FORMATS

Grade Combination	Nominal Thickness mm	Kraft Paper Thickness mm	PET Film Thickness mm	Kraft Paper Thickness mm	Standard Width mm	Dielectric Strength at 20°C	Temperature Rating °C	Short-term Temperature °C	Tensile Strength N/mm
2/1	0.09	0.050	0.023	/	900 ± 15	3 kV	120	180	5
2/2	0.11	0.050	0.050	/	900 ± 15	7 kV	120	180	10
2/1/2	0.13	0.050	0.023	0.050	900 ± 15	3 kV	120	180	5
2/2/2	0.16	0.050	0.050	0.050	900 ± 15	7 kV	120	180	10

CONVERTED PARTS

As well as standard rolls, Hyply® K can be converted to customer requirements as follows:

- Slit tapes from 6mm wide upwards
- Creased parts, including pre-formed slot closures
- Stampings/punched parts
- Cut parts

STORAGE

Storage	Cool, dry conditions
Shelf life	Indefinite

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