

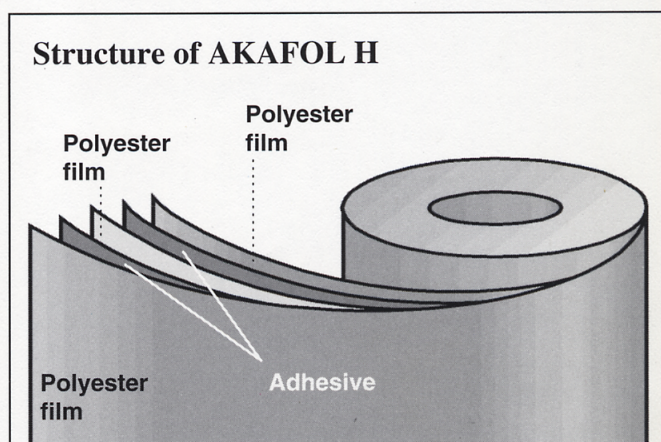
AKAFOL H: **For insulation class B.**

Structure and characteristics.

AKAFOL H is a pure polyester film laminate with two, three or four layers of polyester film. The purpose of this KREMPEL multi-layer insulation material is to achieve large final thicknesses which are not possible in film production. The base films for producing these laminates are chiefly 250 µm and 350 µm PET films. These films are combined into 2- or 3-layer laminates with high quality electrical characteristics. A highly specialised production technique also enables us to produce combinations with 4 layers of 350 µm PET film in widths of approx. 1800 mm. These materials are intended for utilisation in insulation class B applications.

The chief application field for AKAFOL H is the manufacture of insulation cylinders used in cast resin transformers between the high voltage and the low voltage winding. Cylinders made of KREMPEL AKAFOL H are replacing the still widely used hard paper cylinders which must be procured by the user in customised form. For this application our material permits tailored production on site, giving considerably greater flexibility and permitting quick response to the requirements of production and marketing.

In the course of time certain standard types of AKAFOL H have become established whereby we obtain the different total thickness values by using polyester films with different thickness. The exact structure is designated by letter and number combinations stated in the technical tables. Please inquire for minimum order sizes for AKAFOL H.



*) other colours by negotiation

Standard types AKAFOL H

Types	Film thickness
AKAFOL H-2 0.5	2 x 250 µm
AKAFOL H-3 1.1	3 x 350 µm
AKAFOL H-4 1.4	4 x 350 µm

Designations

	AKAFOL H - 0 0.0	e.g.	AKAFOL H - 2 0.5
Polyester film		Polyester film	
Number of layers (multi-layer material)		2-layers (two-layer material)	
Total thickness in mm		Total thickness 0.5 mm	

Technical data for AKAFOL H
Dimensions, formats and characteristic values AKAFOL H

Type	Nominal thickness	Tolerance	PET film thickness	Area weight	Tolerance	Area utilization	Standard core	Standard widths master reels *)	Break-down voltage
	mm	± %	µm	g/m ²	± %	approx. m ² /kg	mm	approx. mm	kV
AKAFOL H-2 0.5	0.5	10	2 x 250	710	12	1.4	300	1800	≥ 25
AKAFOL H-3 1.1	1.1	10	3 x 350	1500	12	0.7	300	1800	≥ 30
AKAFOL H-4 1.4	1.4	10	4 x 350	2000	12	0.5	300	1800	≥ 35

*) narrow reels on inquiry