

ELAN-Film®

Electrical Insulation Film

Andrew Keefe, Agent & Distributor Meeting, October 2017

An Innovative New Product
for a Demanding Market

ELAN-Film® HT-180

What is ELAN-Film® ?

A Flexible, triple layer insulation film consisting of two layers of Tritherm® and a layer of PET film



What is Tritherm® ?

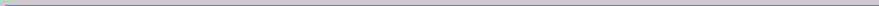
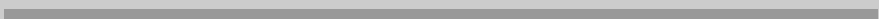
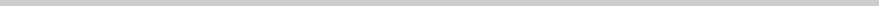
Polyamideimide (PAI) chemistry as used for Magnet Wire coatings

Why PAI ?

PAI provides improved thermal protection for Class H UL system ratings

ELAN-Film® HT-180

Let's take a closer look at ELAN-Film®

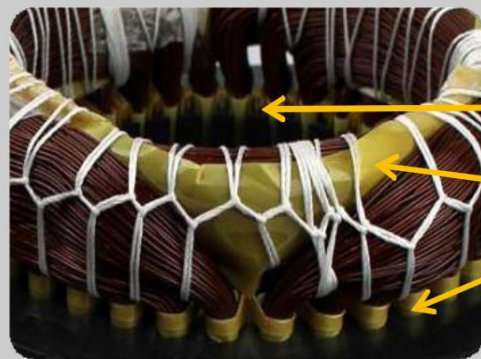
PAI		0.5 mil	13 µm
PET		2.0 – 12.5 mil	175 µm
PAI		0.5 mil	13 µm

Major difference between ELAN-film and other major insulation materials is that the PAI is a coating and not adhesive bonded

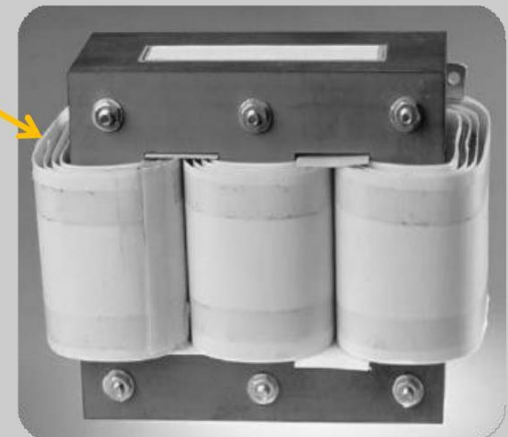
ELAN-Film® HT-180

Targeted for use in Electric Motors as slot liners, wedges and phase insulation and for use in Transformers as layer insulation and coil wrappers but can be used for many other applications

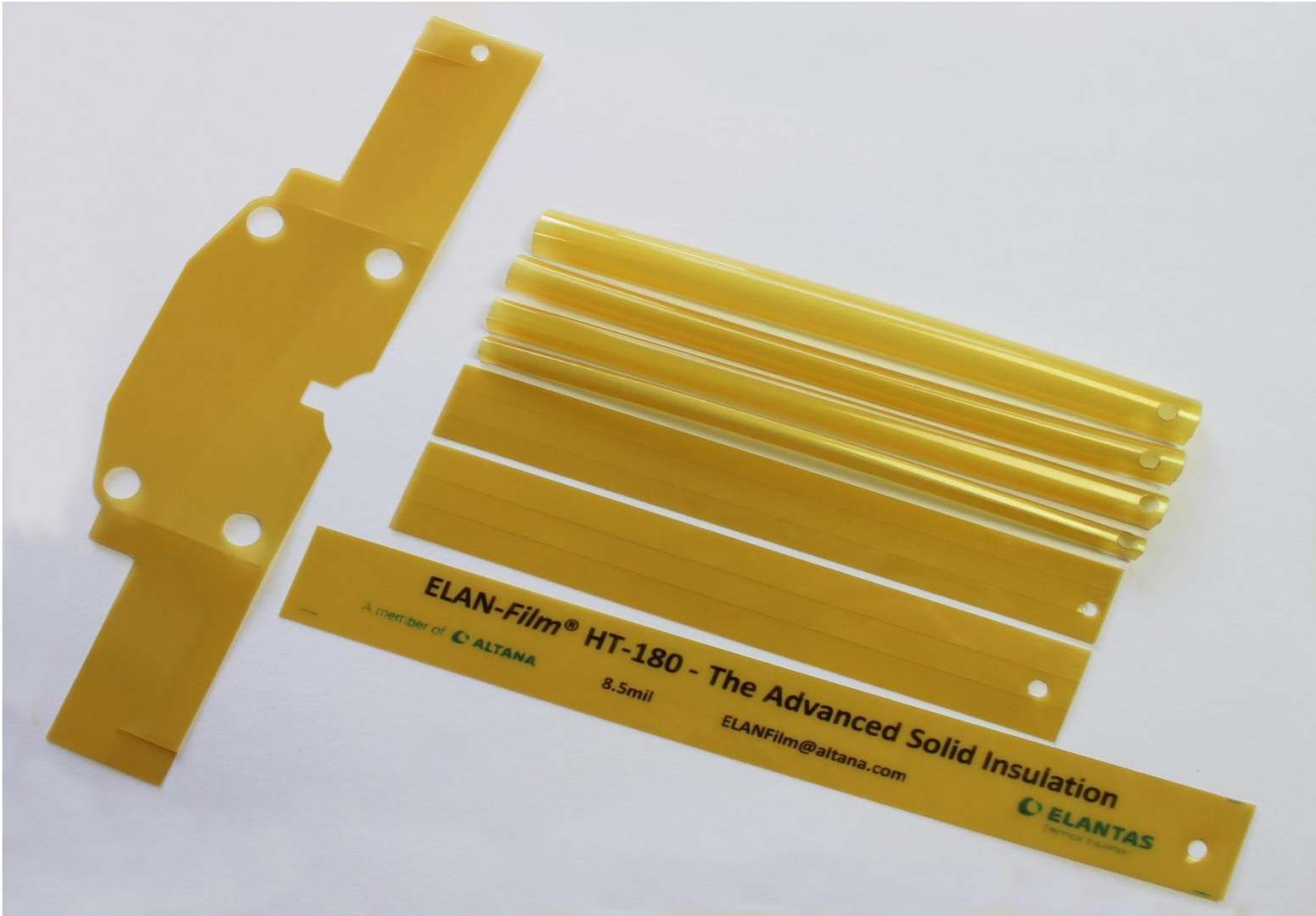
HT-180 exhibits superior adhesion to ELANTAS secondary insulation offering a fully approved, integrated insulation ELANTAS insulation system



Layer
Insulation
Wedge
Phase
Separator
Slot
Liner



ELAN-Film® HT-180



- Excellent Chemical Resistance – Suitable for Hermetics
- Low Moisture Absorption – No special packaging or drying required
- Superior Abrasion Resistance – No Dusting or Chalking during converting and insertion
- No directional orientation limitations = Less scrap & easier processing
- Superior Flexibility – No Cracking at end winding stress points

Standard Product availability

3.0 mil	-	0.08 mm
5.0 mil	-	0.13 mm
7.5 mil	-	0.19 mm
8.5 mil	-	0.22 mm
10.0 mil	-	0.25 mm
11.0 mil	-	0.28 mm
13.5 mil	-	0.34 mm
15.0 mil	-	0.38 mm
20.0 mil	-	0.51 mm
24.0 mil	-	0.61 mm
26.0 mil	-	0.66 mm

All other thicknesses available as a MOQ

www.elantas.com

<http://www.elantas.com/europe/products/flexible-electrical-insulation.html>

Flexible Electrical Insulation