



PPI – Product Information

PPI 70110

Polyimide Electrical Tape with Thermosetting Silicone Adhesive

HEAT CLASS H

DESCRIPTION:

PPI 70110 is based on polyimide film coated with a high quality polysiloxane (silicone) adhesive. This combination exhibits outstanding solvent, temperature and radiation resistance as well as excellent mechanical and electrical properties. The tape is ideally suited for the most demanding of all high temperature applications.

UL listed: OANZ2.E86214.

APPLICATIONS:

- ☐ Insulation tape for very high temperatures.
- ☐ For high stress conditions in traction machine manufacturing.
- ☐ Excellent masking tape for high temperature applications.
- ☐ Outer wrap for transformers, toroidal coils and motor coils.
- ☐ Bundling of armature coils.
- ☐ Short term heat resistance up to 400°C.

UL RECOGNISED FILE NUMBER E86214

<u>PHYSICAL PROPERTIES</u>	<u>EN VALUE*</u>	<u>ASTM VALUE**</u>	<u>TEST METHOD</u>
SUPPORTING BASE:	POLYIMIDE FILM		
BASE THICKNESS:	0.025 MM	1.0 MIL	BS 3924
TOTAL THICKNESS:	0.060 MM	2.4 MIL	
ADHESIVE:	POLYSILOXANE (THERMOSETTING)		
ADHESIVE STRENGTH:	2.5 N/CM	22.0 OZ/INCH	
ULTIMATE ELONGATION:	50.0 %	50.0 %	
TENSILE STRENGTH:	50.0 N/CM	28.0 LBS/INCH	
DIELECTRIC STRENGTH:	5,900 VOLTS	5,900 VOLTS	
ELECTROLYTIC CORROSION FACTOR*:	A 1.0	A 1.0	
COMBUSTIBILITY:	BU 1		
COLOUR:	BROWN TRANSPARENT		
HEAT CLASS:	H (TEMPERATURE RANGE UP TO 180°C LONG TERM)		

TESTED IN ACCORDANCE WITH ASTM D-1000 LATEST ISSUE, VDE 0340*, B.S. 3924

* EN 60454

** ASTM D-1000

Rev.3/ 08-Jan-2015