



PPI – Product Information

PPI 70100

Polyimide Electrical Tape with Thermosetting Polyacrylate Adhesive

HEAT CLASS H

DESCRIPTION:

PPI 70100 is based on polyimide film, which exhibits outstanding temperature resistance as well as excellent mechanical and electrical properties. Radiation resistant.
Short term heat resistance up to 400°C. UL listed OANZ2.E86214.

APPLICATIONS:

- Insulation tape for very high temperatures.
- For high stress conditions in traction machine manufacturing.
- Generator production.
- Outer wrap for transformers, toroidal coils, motor coils and bundling of armature coils.
- Short term heat resistance up to 400°C.
- UL file number: E86214

<u>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:	0.050 mm	2.0 MIL	BS 3924
ADHESIVE:	SYNTHETIC RESIN, THERMOSETTING		
ADHESIVE STRENGTH:	3.0 N/cm	27.0 OZ/INCH	ASTM D-1000
ULTIMATE ELONGATION:	100 %	100 %	EN 60454
TENSILE STRENGTH:	50.0 N/cm	28 LBS/INCH	EN 60454
DIELECTRIC STRENGTH:	7,000 V	7,000 V	ASTM D-1000
ELECTROLYTIC CORROSION FACTOR:	A 1.2	A 1.2***	
COMBUSTIBILITY:	BU 1	UL 94 VTM-0	
ADHESIVE COATING:	SINGLE-FACED		
COLOUR:	BROWN TRANSPARENT		
HEAT CLASS:	H (TEMPERATURE RANGE UP TO 180°C)		
RECOMMENDED CURING CYCLE:	1 HOUR AT 150°C/302°F or 2 HOURS AT 130°C/266°F		
LENGTH OF ROLL:	33 M	36 YARDS	
	66 M	72 YARDS	

AVAILABLE FROM 3 mm - 320mm

EN 60454 / **ASTM D-1000 / *VDE 0340*

Rev: 002/TF
Date: 17. May. 16.