

TECHNICAL DATA

PEN (Polyethylene Naphthalate) TAPE

Product Code: 1PEN2

P. Leo & Co (B. C.) Ltd.

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HALOGEN
FREE

UL FILE #E126174

Description: P.LEO #1PEN2 PEN Electrical Insulating Tape is made by Teonex® Q51 Polyethylene naphthalate (PEN) film can perform an excellent thermal property at 180° C. It is superior in almost all field of applications. It exhibits higher temperature rating, better dimensional stability after heating, better hydrolytic resistance and excellent oxygen permeability.

Application: For use in high performance electrical applications, used on high-temperature coils, such as in traction machine manufacturing, in the production of generators, capacitors, transformers etc. PEN Tape can be applied as major insulation in Class F 155 °C, Class H 180 °C and Class N 200 °C Electrical Insulation System.

Technical Details:

<u>PROPERTIES</u>	<u>UNIT</u>	<u>SPECIFICATION</u>
COLOR	-	Transparent or Black
TOTAL THICKNESS	mm	0.055 ± 0.005
TENSILE STRENGTH	kg/25mm	12
ELONGATION	%	90
ADHESION TO STEEL	kg/25mm	0.6
DIELECTRIC BREAKDOWN	kV	6
TEMPERATURE RATED	°C	155

Test Method: In accordance with ASTM D-1000 method

Shelf Life: 6 months when storage at 73F and 65% relative humidity

Availability: Standard Length 50M per roll, 3" core, width from 2mm to to 1,000 mm

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