

TECHNICAL DATA

PEN (Polyethylene Naphthalate) TAPE Product Code: 1PEN2

P. LEO & CO LTD

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UL FILE #E126174

Description : 1PEN2 PEN Electrical Insulating Tape is made by Teonex® Q51 Polyethylene naphthalate (PEN) film. It can perform an excellent thermal property at 180° C. It is superior in almost all fields 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 1,000 mm

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