

# TECHNICAL DATA

## PEN (Polyethylene Naphthalate) TAPE

**Product Code: 1PN3R  
(Flame Retardant)**



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**UL**® UL File No. E126174

**Description :** P.LEO # 1PN3R 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 fields of applications. It exhibits higher temperature rating, better dimensional stability after heating, better hydrolytic resistance and excellent oxygen permeability. This product complies with the flame Retardant requirements of UL 510.

**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 in Class F 155°C, Class H 180°C and Class N 200°C Electrical Insulation System.

Technical Details :	<u>PROPERTIES</u>	<u>UNITS</u>	<u>SPECIFICATION</u>
	TOTAL THICKNESS	mm	0.055 ± 0.005
	TENSILE STRENGTH	kg/25mm	13
	ELONGATION	%	80 ± 30
	ADHESION TO STEEL	kg/25mm	0.95
	DIELECTRIC BREAKDOWN	Kv	6
	TEMPERATURE RATING	°C	155

**Color :** WH = white

**Test Method :** In accordance with ASTM method

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

**Availability :** Standard 50 Meter roll, 3" core, width 960mm

### **Important Notice to Purchase**

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