

TECHNICAL DATA

Kapton® Polyimide Tape

Product Code: 1K063CR

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

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UL FILE #E126174

Description: **1K063CR** is made by Kapton® CR polyimide 1mil film tape with Silicon adhesive. Highly heat resistance up to temperature 180°C and Flame retardant. **The Corona resistance of Kapton® CR** to compare with the standard Kapton® HN at a voltage stress of 20KV/mm (500 V/mil)AC at 50Hz, for example **Kapton® CR has a life endurance in excess 1000,000 hr** (11 ½ years), in comparing to 200 hours for Kapton® HN. Similar substantial improvements in corona resistance and outstanding high temperature retention of physical and electrical properties found with Kapton® CR. **The UL Cat. Number is 1K063.**

Features/Benefits: For use in high performance electrical applications, used on high-temperature or high voltage coils, such as in traction machine manufacturing, in the production of generators, capacitors transformers etc.

Technical Details:

<u>PROPERTIES</u>	<u>UNITS</u>	<u>SPECIFICATION</u>
COLOR	-	amber
TOTAL THICKNESS	mm	0.063 ±0.006
TENSILE STRENGTH	kg/25mm	14
ELONGATION	%	50
ADHESION TO STEEL	kg/25mm	0.5
UNWIND FORCE	kg/25mm	0.7
DIELECTRIC BREAKDOWN	KV	6
INSULATION RESISTANCE	ohm	1x10 ¹²
TEMPERATURE CLASS	°C	180
CORROSION FACTOR	-	1.0

*KAPTON is a registered trademark of DUPONT

Test Method: In accordance with ASTM D-1000 method

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

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