

# TECHNICAL DATA

## KAPTON® POLYIMIDE FILM TAPE

**Product Code: 1K063CR  
(Flame Retardant)**

**BC TAPE™**

*P. Leo & Co Ltd*

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**UL® UL File No. E126174**

**Description :** 1K063CR is made by Kapton® CR polyimide 1mil film tape with Silicone adhesive. Highly heat resistance up to temperature 220°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 100,000 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. This product complies with the flame Retardant requirements of UL 510.

**Application :** 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	11
	ELONGATION	%	55
	ADHESION TO STEEL	kg/25mm	0.6
	UNWIND FORCE	kg/25mm	1.0
	DIELECTRIC BREAKDOWN	kV	6
	INSULATION RESISTANCE	ohm	1x10 <sup>12</sup>
	TEMPERATURE RATED	°C	220
	CORROSION FACTOR	-	1.0

\*KAPTON is a registered trademark of DuPont

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

**Shelf Life :** 6 months when storage at 23°C and 65% relative humidity

**Availability :** Standard 33M roll 3" core, width 620mm

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