

K-610

Acrylic Polyimide Tape

River Tape Co., Ltd.

TECHNICAL DATA SHEET

DESCRIPTION

K-610 is a single-sided tape made of Kapton® polyimide film coated with a non-silicone acrylic pressure-sensitive adhesive. Neither the adhesive nor the back of the film contains silicone. It is supplied in two grades, 0.055 mm and 0.08 mm total thickness, and is rated at 155 °C for 30 minutes.

APPLICATIONS

Lithium-ion battery tab protection; coil and lead wrapping in motors and transformers where a UL- or CSA-recognized tape is not required; other processes that do not allow silicone, within 155 °C for 30 minutes. Not for wave solder, reflow or gold finger masking.

STORAGE AND SHELF LIFE

Store in the original packaging in a cool, dry place away from direct sunlight and moisture. Shelf life is 12 months from the date of manufacture.

≥ indicates a guaranteed minimum value.
Temperature resistance is a 30-minute oven rating, not a continuous service temperature or an insulation class. Validate the tape under your own process conditions before production use.

Property	Unit	Value
Grade	—	K-610-055 / K-610-08
Backing Material	—	Polyimide (PI) film
Adhesive Type	—	Acrylic (PSA), non-silicone
Construction	—	Single-sided
Color	—	Amber
Total Thickness	mm(mil)	0.055(2.2) / 0.08(3.1)
Standard Roll Length	m(yd)	33(36) / 66(72)
Elongation at Break	—	≥55% / ≥55%
Core Size	mm / inch	76(3)
Adhesion to Steel	N/25 mm (oz/in)	≥7(25) / ≥7.5(27)
Tensile Strength	N/10 mm (lb/in)	≥40(22.8) / ≥80(45.6)
Temperature Resistance	°C(°F)	155 °C(311), 30 min
Dielectric Breakdown Voltage	kV	≥4.0 / ≥4.0

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