



K-8405

5 MIL POLYIMIDE/ACRYLIC FILM TAPE

APPLICATIONS

A thick 5 mil polyimide film coated with an acrylic adhesive that offers a unique combination of electrical, thermal, chemical and mechanical properties. Designed for heavy duty, high temperature applications in automotive, aerospace, electronic, electrical insulation and powder coat masking industries. Ideal for use in the production of lithium-ion batteries, photovoltaic cells and solar panels. Features a wide temperature range as low as -40°F (-100°C) to 311°F (155°C).

FEATURES/BENEFITS

- Rugged 5 mil polyimide film offers high puncture and tear resistance.
- Ultra high dielectric strength for heavy duty electrical insulation applications.
- High tack acrylic adhesive provides high performance adhesion to a variety of surfaces.
- Excellent solvent, chemical and UV radiation resistant.
- Available on a film release liner and in die cut discs/dots or custom die cut parts.

TECHNICAL DATA

Backing Material	: 5 mil HN Polyimide Film
Adhesive	: Acrylic
Color	: Amber
Total Thickness	: 6.5 mils
Tensile Strength	: 98 lbs per inch of width
Adhesion to Steel	: 25 oz per inch of width
Elongation	: 65%
Temperature Range	: -40°F to 311°F (155°C)
Dielectric Strength	: 18,000 Volts
Insulation Class	: 155°C (UL Recognized Class F)
Specifications	: MIL-P-4611SB
	: ASTM D-5213 Type 1, Item A
	: RoHs/REACH Compliant

Note: The above are typical values obtained from tests recommended by the PSTC, ASTM, or government agencies and should not be used in writing specifications. The product should be thoroughly evaluated by the user under actual conditions with intended substrates to determine if the product is suitable for the application.