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Polyimide Discs

Specification

Description	Value	ASTM Test Method
Film thickness	1.0 Mil (0.03 mm)	D-3652
Adhesive thickness	1.5 Mil (0.04 mm)	D-3652
Total thickness	2.5 Mil (0.07 mm)	D-3652
Color	Amber	
Adhesive	Cross-linked silicone	
Breaking strength	30lb / inch (5.4Kg / cm)	
Elongation at break	60%	D-3759
Adhesion to steel	18 oz / inch (200 grams / cm)	D-3330
Dielectric strength	7,500 Volts	
Insulation class	356°F (180°C)	
Temperature range	-100°F to 500°F (-73°C to 260°C)	
Storage conditions	Keep in dry conditions	
Removability	Good to excellent	
Tolerances	Discs can be cut to $\pm 0.005''$ ($\pm 0.127\text{mm}$)	

General Description

Polyimide Discs are made from #22 Polyimide tape which is a high temperature film tape used for electrical and thermal insulation. The silicone adhesive means the tape has excellent release properties. Discs are provided on a liner, which is wound on a core.

Recommended for

Electrical insulation, Wave soldering, Masking of circuit boards.

Availability

In addition to these discs, #22 Polyimide tape is available in roll form in a range of imperial and metric widths. It is also available as pre-cut, rectangles, squares, and donuts. #22 Polyimide tape is also available as die cut shapes.

Storage Conditions

Items should be stored in dry conditions at an ambient temperature of between 55°F (13°C) and 85°F (30°C). It is important to rotate stock and use the product in the order that it is received. Rolls of discs or die cuts should be stored on end.