

Description

Standard and ESD Kapton discs are made from polyimide film with silicone or acrylic adhesive. They are the recommended choice for applications that require an all-polyimide film with an excellent balance of properties over a wide range of temperatures.

Features

- Remove cleanly without adhesive residue after exposure to heat
- Thin and conformable, enabling masking on uneven surfaces
- High-strength backing provides superior resistance to puncture and tear
- Resistance to chemical damage



Specifications

- **Material:** 1 mil Polyimide Film
- **Overall Thickness:** 2.5 mil Thickness
- **Roll Size:** 36 Yard Rolls on 3" Core
- **Adhesive:** Available with 1.5 mil High-Performance Silicone or Acrylic Adhesive
- **Temperature Resistance (Silicone Adhesive):** -452°F (-269°C) to 500°F (260°C)
- **Temperature Resistance (Acrylic Adhesive):** -20.2°F (-29°C) to 399°F (170°C)
- **Surface Resistance (*ESD Part Numbers Only):** 10⁶-10⁹ ohms (ANSI/ESD S20.20)

Applications

- High-Temperature Masking
- Protection of circuit board gold finger contacts during wave solder
- Insulation on transformers, Motors and Coils, Fiber Optics Cables, Solar Panels

Ordering Information

Part Numbers		*ESD Part Numbers	Dots/Roll	Roll Size
Silicone Adhesive	Silicone Adhesive	Acrylic Adhesive		
STKD-0.125	STKD-0.125-ESD	PTKD-1/8A-ESD	2,000	1/8" x 36 Yards
-	-	PTKD-3/16A-ESD	2,000	3/16" x 36 Yards
STKD-0.250	STKD-0.250-ESD	PTKD-1/4A-ESD	2,000	1/4" x 36 Yards
-	-	PTKD-5/16A-ESD	2,000	5/16" x 36 Yards
STKD-0.375	STKD-0.375-ESD	PTKD-3/8A-ESD	2,000	3/8" x 36 Yards
-	-	PTKD-7/16A-ESD	2,000	7/16" x 36 Yards
STKD-0.500	STKD-0.500-ESD	PTKD-1/2A-ESD	2,000	1/2" x 36 Yards
STKD-0.625	STKD-0.625-ESD	PTKD-5/8A-ESD	2,000	5/8" x 36 Yards
STKD-0.750	STKD-0.750-ESD	PTKD-3/4A-ESD	1,000	3/4" x 36 Yards
STKD-1.000	STKD-1.000-ESD	PTKD-1A-ESD	500	1" x 36 Yards
STKD-1.500	STKD-1.500-ESD	-	500	1 1/2" x 36 Yards
STKD-2.000	STKD-2.000-ESD	-	200	2" x 36 Yards