

MERCO TAPE – TECHNICAL DATA SHEET

Merco Polyimide series Tapes



Merco Polyimide series Tapes are manufactured by coating a polyimide film with an acrylic or silicone adhesive system. Film thicknesses range from 1 mil to 5 mils, and adhesive thicknesses from 0.5 mil to 2 mils. **Merco Polyimide series Tapes** do not soften at elevated temperatures, providing an excellent release surface up to 500F. Ideal for masking circuit boards during wave solder or solder dip process. Also used as a release surface in the fabrication of parts at elevated temperatures. Oh, and going to the Moon too.

Caveat: Merco's Tape is made from Polyimide film. Kapton® Polyimide film is a DuPont® brand.

We offer 6 varieties:

**Silicone Adhesive, for High Temperatures; **Acrylic Adhesive; **Double Coated with High Temperature Silicone Adhesive; **Double Coated with Acrylic Adhesive; **ESD (Electro-static Discharge) High Temperature with Silicone Adhesive; and **ESD (Electro-static Discharge) with Acrylic Adhesive.

TECHNICAL DATA

Widths: 9mm to 12 inches Length: 36 yards on a 3" core

Adhesion to Steel: 25 oz./inch Elongation: 55% - 65%

Adhesive	Tot. Thk	Dielectric	Temperature	Adhesive	Tot Thk	Dielectric	Temperature
Silicone	1.5 mil	3,000 v.	180 C	Acrylic	2.5 mil	6,500v.	155 C
Silicone	2.5 mil	6,500 v.	180 C	Acrylic	3.5 mil	11,000 v.	155 C
Silicone	3.5 mil	11,000 v.	180 C	Acrylic	6.5 mil	18,000 v.	155 C
Silicone	4.5 mil	15,000 v.	180 C				
Silicone	6.5 mil	18,000 v.	180 C	Silicone D/C	4.0 mil	6,500 v.	180 C
				Silicone D/C	5.0 mil	11,000 v.	180 C

Merco Tape

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