

K12/K22 TAPE SERIES - 1 MIL & 2 MIL POLYIMIDE TAPE

500°F (260°C)/600°F (315°C)



- Maximum Temperature: 500°F (K12) & 600°F (K22)
- K12 is thin and conformable, enabling masking of uneven surfaces
- K22's high-strength backing provides superior puncture, tear and abrasion resistance
- Removes cleanly without adhesive residue after exposure to heat and/or chemicals
- Chemically resistant
- Flame-retardant and excellent electrical insulation

PRODUCT DESCRIPTION

Our K12 polyimide film tape combines a 1.6 mil high temperature pressure sensitive adhesive with a 1.0 mil flexible carrier to create a tape product which is perfect for high temperature masking needs. Typical applications include the protection of printed circuit board gold finger contact leads during wave soldering.

Our K22 polyimide film tape combines a 1.5 mil high temperature pressure sensitive adhesive with a 2.0 mil flexible carrier to create a tape product which is perfect for high temperature masking needs. Typical applications include the electrical insulation of high temperature coils, motors and transformers.

TYPICAL APPLICATIONS

Powder coating, e-coating, wave soldering, circuit board insulation and hot air leveling. The product is UL approved for use in the electrical insulation applications meeting Class H requirements.

CONSTRUCTION K12

Total Thickness	2.6 mils	3.5 mils
Adhesive Thickness	1.6 mils	1.5 mils
Carrier Thickness	1.0 mil	2.0 mils
Adhesive Type	Silicone	Silicone
Carrier Type	Polyimide	Polyimide
Color	Amber	Amber

K22

SPECIFICATIONS K12

Maximum Temperature (F)	500°	600°
Tensile Strength (lbs/inch)	30	55
Elongation (%)	60	60
Peel Adhesion (oz/inch)	25	22
Dielectric Strength (volts)	6800	12000
Government Specifications	UL Number E197661	NA

K22

500°F & 600°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

K12 SERIES

PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
K12-00032	36	1/8 in	0.013	33	3.2	192
K12-00064	36	1/4 in	0.250	33	6.4	96
K12-00095	36	3/8 in	0.375	33	9.5	64
K12-00127	36	1/2 in	0.500	33	12.7	48
K12-00159	36	5/8 in	0.625	33	15.9	40
K12-00190	36	3/4 in	0.750	33	19.1	32
K12-00254	36	1 in	1.000	33	25.4	24
K12-00286	36	1 1/8 in	1.125	33	28.6	20
K12-00318	36	1 1/4 in	1.250	33	31.8	20
K12-00381	36	1 1/2 in	1.500	33	38.1	16
K12-00508	36	2 in	2.000	33	50.8	12
K12-00762	36	3 in	3.000	33	76.2	8
K12-01016	36	4 in	4.000	33	101.6	8
K12-01524	36	6 in	6.000	33	152.4	4

K22 SERIES

PART NUMBER	Length (yds)	Standard Width (in)	Width (in)	Length (m)	Width (mm)	Case Qty
K22-00032	36	1/8 in	0.013	33	3.2	192
K22-00064	36	1/4 in	0.250	33	6.4	96
K22-00095	36	3/8 in	0.375	33	9.5	64
K22-00111	36	7/16 in	0.437	33	11.1	56
K22-00127	36	1/2 in	0.500	33	12.7	48
K22-00159	36	5/8 in	0.625	33	15.9	40
K22-00190	36	3/4 in	0.750	33	19.1	32
K22-00254	36	1 in	1.000	33	25.4	24
K22-00286	36	1 1/8 in	1.125	33	28.6	20
K22-00381	36	1 1/2 in	1.500	33	38.1	16
K22-00508	36	2 in	2.000	33	50.8	12
K22-00762	36	3 in	3.000	33	76.2	8
K22-01016	36	4 in	4.000	33	101.6	8

Current pricing and additional sizes available at www.epsi.com

KD22 TAPE SERIES - 2 MIL POLYIMIDE DISCS

600°F (315°C)



- Maximum Temperature: 600° F
- Total Thickness: 3.5 mils
- High-strength backing provides superior puncture, tear and abrasion resistance
- Removes cleanly after use
- Chemically resistant
- Flame-retardant
- Excellent electrical insulation

PRODUCT DESCRIPTION

KD22 is a 2.0 mil thick polyimide film, single coated with a high-performance silicone pressure sensitive adhesive Tape is laminated and discs are rotary die-cut on a specially formulated fluorosilicone liner.

TYPICAL APPLICATIONS

Powder coating, e-coating, wave soldering, circuit board insulation. Electrical insulation of various high temperature coils, motors and transformers meeting class H requirements.

CONSTRUCTION

Total Thickness	3.5 mils
Adhesive Thickness	1.5 mils
Carrier Thickness	2.0 mils
Adhesive Type	Silicone
Carrier Type	Polyimide
Color	Amber

SPECIFICATIONS

Maximum Temperature (F)	600°
Tensile Strength (lbs/inch)	55
Elongation (%)	60
Peel Adhesion (oz/inch)	22
Dielectric Strength (volts)	12000

Our KD22 polyimide discs combine 1.5 mils of high temperature pressure sensitive silicone adhesive with a 2.0 mil flexible carrier to create a tape product perfect for high temperature masking needs. Typical applications include the electrical insulation of high temperature coils, motors and transformers meeting Class H requirements.

600°F intermittent rating. Contact an EPSI representative for recommendations on tapes for continuous or extended use. Many factors can affect the use and performance of a product in a particular application. This product should be tested to determine the suitability for its intended use.

KD22 SERIES

PART NUMBER	Diameter (in)	Standard Diameter (in)	Diameter (mm)	Discs Per Roll
KD22-0064	0.250	1/4 in	6.4	2000
KD22-0087	0.343	11/32 in	8.7	2000
KD22-0095	0.375	3/8 in	9.5	2000
KD22-0127	0.500	1/2 in	12.7	2000
KD22-0190	0.750	3/4 in	19.0	1000
KD22-0254	1.000	1 in	25.4	500
KD22-0381	1.500	1 1/2 in	38.1	500
KD22-0508	2.000	2 in	50.8	100

- Other sizes available upon request
- Custom shapes and sizes can be produced in as little as 2 days
- All rolls over 1/2" can be produced with a slit back liner. When ordering, add "-S" to the part number. *Example:* KD22-0127-S

Current pricing and additional sizes available at www.epsi.com