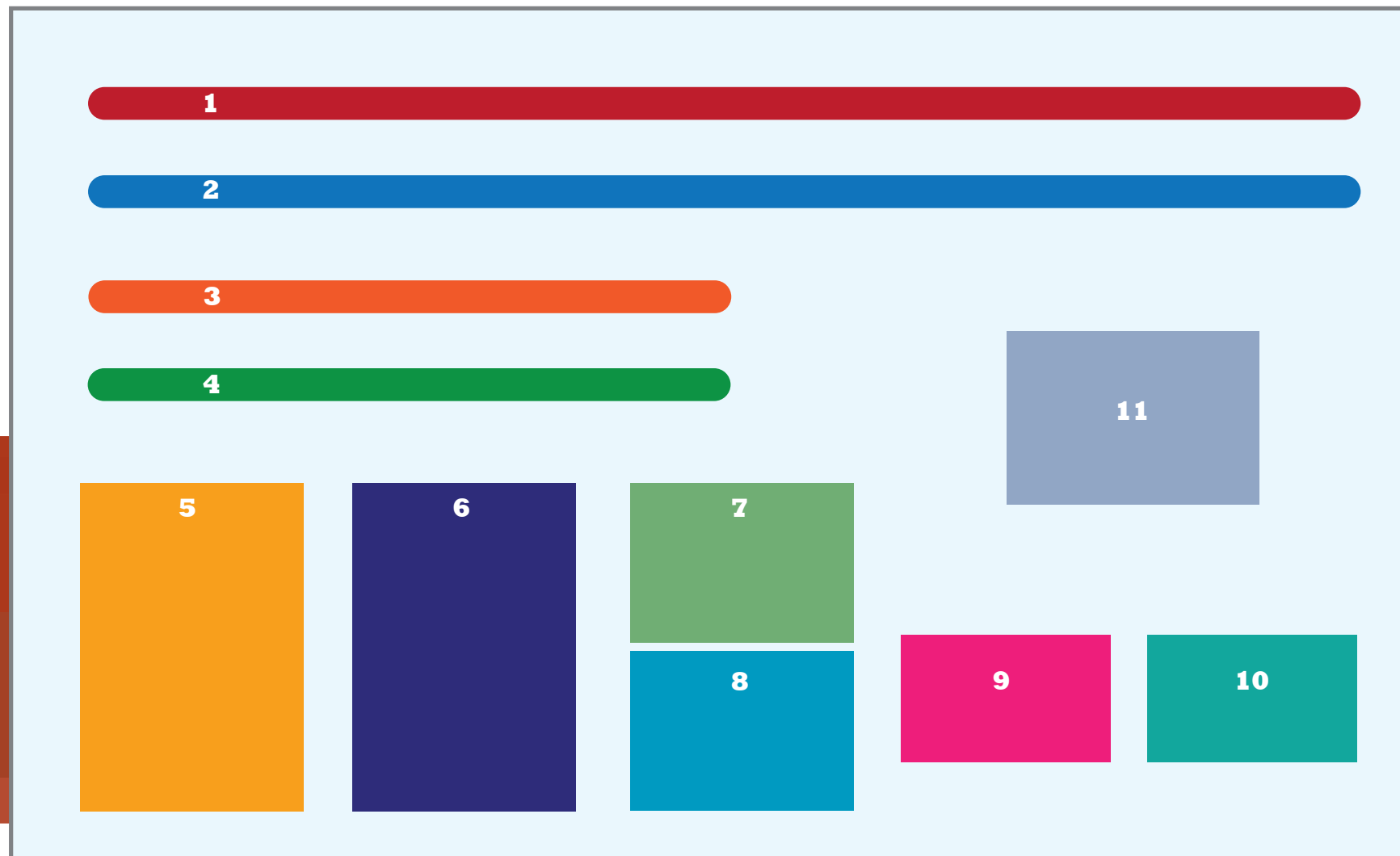




Design Engineer Tape Kit

Film Tapes



1

3M™ Polyester
Tape
8992

This polyester tape can be used in a variety of high temperature applications including powder coat masking, flash breaker and bag sealing. Its color makes tape placement obvious for both application and removal.

2

3M™ Polyimide
Film Electrical Tape
1218

Used for high temperature electrical applications in which a tough, thin insulating material that is solvent-resistant is required for wrapping coils, transformers, capacitors and wire harnesses. It is also used as a cover layer on a variety of flexible printed circuits.

3

3M™ Low Static
Polyimide Film Tape
5433

This polyimide tape has an extremely low electrostatic discharge property. This polyimide does not soften at elevated temperatures. Lined version of 3M 5419

4

3M™ Polyimide
Film Tape
5413

Designed for high temperature applications. It is less affected by temperature variations than a polyester film, and provides excellent release surface at elevated temperatures.

5

3M™ Low Static
Polyimide Film Tape
5419

This polyimide tape has an extremely low electrostatic discharge property. This polyimide does not soften at elevated temperatures.

6

3M™ Polyimide
Film Tape
92

3M Electrical Tape 92 is used for high temperature applications in which a tough, thin insulating material is required for wrapping coils, transformers, capacitors and wire harnesses. It is also used in printed circuit board assembly as a wave solder masking tape.

7

3M™ Polyester
Film Tape
850

This polyester film tape is thin and helps to reduce breakage while meeting low caliper requirements. It is chemical, solvent and abrasion resistant.

8

3M™ General Purpose
Polyimide Film Tape
7413

This polyimide film is designed for solder masking or other very high temperature applications. It can be used as a release surface in fabrication of parts cured at elevated temperatures.

9

3M™ Polyimide
Film Tape
1205

This polyimide tape is designed for high temperature electrical applications, in which a solvent-resistant backing is required. It can be used on coils, capacitors and wire harnesses.

10

3M™ Low Static Non Silicone
Polyimide Film Tape
7419

Designed for masking or protecting surfaces during soldering operations or other very high temperature processes where clean, residue free removal is desired. It produces a very low static charge during unwind and removal making it desirable in static sensitive applications.

11

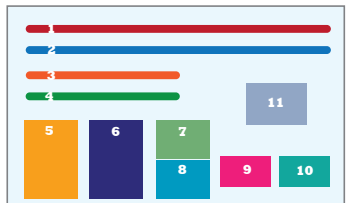
3M™ Polyimide
Film Electrical Tape
1093

This polyimide film tape is suited for high temperature applications and DC/fractional motor applications. It is conformable and has high puncture resistance and a high dielectric breakdown.



Design Engineer Tape Kit

Film Tapes



1

3M™ Polyester Tape

8992

ATTRIBUTES

Green Polyester ■ Silicone Adhesive ■
3.3 Mil ■ 400°F

APPLICATION INSTRUCTIONS

Remove extended clear release liner to
expose adhesive. For best results apply
to a clean, dry surface.

1 LINER TAPE



2

3M™ Polyimide Film Electrical Tape

1218

ATTRIBUTES

Pressure Sensitive Polyimide for Insulation ■
Acrylic Adhesive ■ 3 Mil ■ 356°F

APPLICATION INSTRUCTIONS

Remove extended clear release liner to
expose adhesive. For best results apply
to a clean, dry surface.

1 LINER TAPE



3

3M™ Low Static Polyimide Film Tape

5433

ATTRIBUTES

Low Static Polyimide with Liner ■
Silicone Adhesive ■ 2.7 Mil ■
-100° to 500°F

APPLICATION INSTRUCTIONS

Remove extended clear release liner to
expose adhesive. For best results apply
to a clean, dry surface.

1 LINER TAPE



4

3M™ Polyimide Film Tape

5413

ATTRIBUTES

Polyimide ■ Silicone Adhesive ■
2.7 Mil ■ -100° to 500°F

APPLICATION INSTRUCTIONS

Remove extended clear release liner to
expose adhesive. For best results apply
to a clean, dry surface.

1 LINER TAPE



5

3M™ Low Static Polyimide Film Tape

5419

ATTRIBUTES

Low Static Polyimide ■ Silicone Adhesive ■
2.7 Mil ■ -100° to 500°F

APPLICATION INSTRUCTIONS

For best results apply to a clean,
dry surface.

6

3M™ Polyimide Film Tape

92

ATTRIBUTES

Polyimide Backing ■ Silicone Adhesive ■
3 Mil ■ High Temperature Applications
to 180°C

APPLICATION INSTRUCTIONS

For best results apply to a clean,
dry surface.

7

3M™ Polyester Film Tape

850

ATTRIBUTES

Silver Polyester Film ■ Acrylic Adhesive ■
1.9 Mil ■ -60° to 300°F

APPLICATION INSTRUCTIONS

For best results apply to a clean,
dry surface.

8

3M™ General Purpose Polyimide Film Tape

7413

ATTRIBUTES

General Purpose Polyimide ■
Silicone Adhesive ■ 2.4 Mil ■ -100° to 500°F

APPLICATION INSTRUCTIONS

For best results apply to a clean,
dry surface.

9

3M™ Polyimide Film Tape

1205

ATTRIBUTES

Polyimide ■ Acrylic Adhesive ■
3 Mil ■ 311°F

APPLICATION INSTRUCTIONS

For best results apply to a clean,
dry surface.

10

3M™ Low Static Non Silicone Polyimide Film Tape

7419

ATTRIBUTES

Low Static Polyimide ■ Acrylic Adhesive ■
1.8 Mil

APPLICATION INSTRUCTIONS

For best results apply to a clean,
dry surface.

11

3M™ Polyimide Film Electrical Tape

1093

ATTRIBUTES

Thermosetting Polyimide ■
Silicone Adhesive ■ 2.5 Mil ■ 356°F

APPLICATION INSTRUCTIONS

For best results apply to a clean,
dry surface.

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