

# DuPont™ Kapton® Based Tape Series

Kapton specialty tapes are manufactured with DuPont™ Kapton® for use in a wide variety of Aerospace, Satellite, and Defense applications. Engineers and designers depend on Kapton® for its ability to maintain continuity in extreme environmental conditions. Its unique combination of electrical, thermal, chemical and mechanical properties enable superior performance, reliability and durability in severe temperature, vibration and other demanding environments.



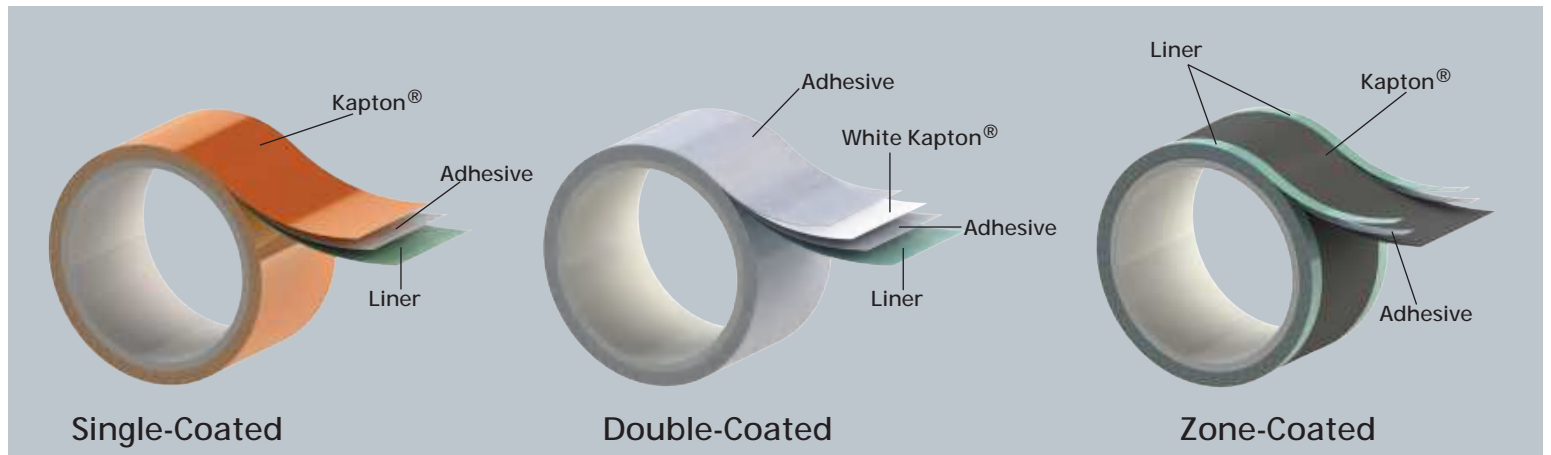
## APPLICATIONS

Electrical insulation  
Mechanical/structural connections  
Flexible circuit bonding  
Thermal management

Shielding  
Cable and harness wrap  
Masking and protection  
Gaskets and seals

## ADHESIVE CONFIGURATIONS

Products are available with single-coated, double-coated, or zone-coated adhesive. Zone-coated configurations may be ordered to your specifications.



## CUSTOM FABRICATION

Bondl® offers complex precision laminating, adhesive coating, and a variety of cutting services for high-performance tapes. Our application engineers are available to assist with design and production of custom products that fulfill your performance requirements.

Some materials are compliant with ATSM E595

## Kapton® Film

Product Attribute	Thermally Conductive (TCK)	Dimensionally Stabilized (DSK)	Static Dissipative (SDK)	Original Standard (OSK)	High Emissivity White Kapton® (HEK)
Part Number	1001	1002	1003	1004	1005
Kapton® Product	Kapton® MT+	Kapton® HPP-ST	Kapton® XC	Kapton® HN	Kapton® WS
Key Features	High thermal conductivity High mechanical integrity Ideal substrate for thermal interface materials RoHS compliance	Low shrinkage Superior adhesion Wide temperature range	Electrically conductive Thermal control Anti-static control Thermally durable to 325° C in oxygen-free environments Black color 2 resistances: 10E7, 10E5	Well-balanced properties Wide temperature range	Bright white color Low coefficient of thermal expansion High gloss transition temperature High modulus Glossy surface High temperature color stability

## Adhesives - Pressure-Sensitive

Adhesive ID #	A	B	C	D	E	F
Temp range Min/Max	-40°F (-40°C) to 450°F (232°C)	-40°F (-40°C) to 450°F (232°C)	-40°F (-40°C) to 500 °F (260 °C)	-40°F (40°C) to 203°F (95°C)	Up to 400°F (204°C)	-100°F (-38°C) to 500°F (260°C)
Adhesive Material	Acrylic	Acrylic	Acrylic	Acrylic	Silicone	Silicone
Adhesive Thickness	2 mil	1 mil	2 mil	2 mil	4 mi	2 mil
Key Features	Exceptional shear values Low outgassing	Exceptional shear values Low outgassing	UV and solvent resistant	Anisotropically electrically conductive Good adhesion to common PCB substrates	Low surface energy Isotropically electrically conductive Performs at high temperatures	Electrically Conductive in the Z axis Excellent bond strength Chemically resistant Temperature extremes

\*Custom zone coating; please specify areas for coating