



Specialized Films & Tapes for Insulation, Protection, and Shielding

Matrix supplies engineered tape solutions that maintain adhesion, insulation, and durability under challenging thermal, chemical, and mechanical conditions. All products are backed by in-house converting expertise for tailored formats and efficient application.

High-Performance Films



POLYIMIDE FILMS & TAPES

Extreme Heat Resistance | Dimensional Stability | High Dielectric Strength

Maintains performance up to 260°C with tensile strength, chemical inertness, and mechanical durability. Applications include high-frequency circuitry, aerospace wiring, and harsh-environment insulation.



POLYESTER FILM (MYLAR®) SOLUTIONS

Dielectric Strength | Dimensional Stability | Chemical Resistance

Ensures reliable insulation with low shrinkage and stable performance in harsh environments. Applications include electrical insulation, laminating, optical displays, and aerospace systems.



CONDUCTIVE TAPE SOLUTIONS

Electrical Conductivity | EMI Protection | High Adhesion

Provides grounding and shielding with strong adhesion and high-temperature resistance. Applications include aerospace, telecommunications, and electronics.



GLASS-FOIL TAPE SOLUTIONS

Thermal Conductivity | EMI/RFI Shielding | Fire Resistance

Delivers efficient heat dissipation, electrical shielding, and flame protection in demanding conditions. Applications include aerospace, electronics, and high-heat construction.

General / Industrial Workhorses



GLASS-CLOTH TAPE SOLUTIONS

High Tensile Strength | Thermal Stability | Flame Retardant

Delivers reliable insulation and reinforcement under high-heat conditions. Applications include aerospace, automotive, and electronics insulation.



FOIL TAPE SOLUTIONS

Thermal Conductivity | Electrical Shielding | Heat Dissipation

Ensures reliable insulation with low shrinkage and stable performance in harsh environments.

Applications include electrical insulation, laminating, optical displays, and aerospace systems.



PAPER TAPE SOLUTIONS

Strong Adhesion | Cost-Effective | Versatile

Provides reliable bond strength and durability across paper-based substrates. Applications include packaging, masking, splicing, and general industrial use.

High-Temperature / Harsh Environment



PTFE SOLUTIONS

Chemical Resistance | Low Friction | Electrical Insulation

Performs across -260°C to 260°C with non-stick properties and durability.

Applications include chemical processing, electronics, and food production.



SILICONE TAPE SOLUTIONS

Self-Fusing | Heat Resistant | Electrical Insulation

Provides stable performance in sealing, weatherproofing, and high-temperature insulation.

Applications include aerospace, automotive, and electronics.



SOLID RUBBER TAPE SOLUTIONS

Durable Sealing | Vibration Resistance | Weatherproofing

Offers long-lasting sealing and insulation in heavy-duty environments.

Applications include HVAC systems, automotive sealing, and electrical enclosures.

Cushioning / Specialty Mechanical



FOAM & SPONGE TAPE SOLUTIONS

Sealing | Gasketing | Shock Absorption

Customized formats deliver precise fit, superior performance, and minimal waste.

Applications include vibration damping, gasketing, and protective sealing.



UHMW SOLUTIONS

Abrasion Resistance | Low Friction | Durability

Protects surfaces from wear, reduces noise, and resists chemicals.

Applications include conveyor systems, material handling, and food processing.