

# CHR® Pressure-Sensitive Adhesive Tapes

## A-Series and C-Series: Foil Tapes

Generally considered a high quality masking tape for aircraft painting and stripping, A-tapes (aluminum) can also be used for light metal repair, duct work seaming and general purpose high temperature sealing. C-tapes, made from copper foil, are very popular electronic repair tapes (conductive adhesive) or for stained glass edging prior to soldering. Foil thicknesses range from 2.0 mil to 3.0 mil, with silicone or acrylic adhesive.

## G-Series: Glass Cloth Tapes

Truly a general purpose tape, glass cloth can also be used in high temperature environments. Able to accept markers, G-tapes make excellent labels. Similarly, G-tapes are highly conformable, with excellent mechanical and electrical properties. Available with thermosetting adhesives, G-tapes resist the solvents, oils and corrosion prevalent in industrial environments.

## M-Series: Polyester Film Tapes

Ranging in thickness from 1.0 to 5.0 mils, with various amounts of silicone or acrylic adhesives, M-tapes are available in a variety of colors for graphic art applications. Serious users can rely on M-tapes for roll splicing, electrical insulation, film seaming and repair.

## K-Series: Polyimide Film Tape

Polyimide (PI) is the highest temperature film known. This film features a distinctive amber color and can be used in a variety of high temperature applications. It is also available with an acrylic adhesive, a more economical option that makes lower temperature jobs more affordable. And if static is a problem in your application, our ESD K-tape can eliminate it.

## T-Series: PTFE Film Tapes

T-tapes are made from either skived or extruded PTFE. Plain is the most popular, least expensive and most versatile. If added strength and limited stretch are required, high modulus and oriented films can be used. Available with both acrylic and silicone adhesive, T-tapes provide excellent slip, anti-friction and release properties for a variety of non-stick applications.

## Features/Benefits

- Wide variety of backing options to choose from
- Wide variety of thickness
- Wide range of operating temperature
- Silicone, acrylic and rubber adhesives
- Superior durability

## General Purpose Industrial

*Saint-Gobain Performance Plastics CHR® brand general purpose pressure-sensitive adhesive tapes are not engineered for specific applications, but rather are used in a variety of light industrial and commercial situations. The leader in pressure-sensitive adhesive tapes for the packaging industry, Saint-Gobain combines the two trusted market leaders' product offerings (Chemfab® and Furon®) and brand names like CHEMSTIK® and CHR® into a single comprehensive package.*



*Pressure sensitive tape logs secured against unwind*



*White Saint-Gobain SG Series tape for lab counters*

## Other CHR® Tapes and Fabrics Available

### ADHESIVE SYSTEMS

**Acrylic** adhesives have exceptional solvent resistance, excellent adhesion to metal, superior weathering, excellent self life and aging characteristics.

**Natural rubber** adhesives impart high tack and shear characteristics, and can be specially blended to manufacture a broad range of adhesion performance.

**Silicone** adhesives are perfect for extreme temperature applications, and exhibit good chemical resistance, retain electrical properties, and remove cleanly with little or no residue.

**Thermoset organic rubber** adhesives set up or harden on first exposure to heat, and remain set regardless of subsequent temperature cycles. They have increased adhesion strength, improved solvent resistance and thermal capability.

### BACKING SUBSTRATES

**FEP film** is used for applications requiring optical clarity, quick release, and abrasion resistance.

**Polyester films** have excellent dimensional stability, high tensile, tear, and impact strengths, and ultimate elongation up to 120%. These films exhibit low water absorption and good resistance to oils, greases, strong acids, and organic solvents.

**Polyimide films** are flame retardant and exhibit high tensile strength and conformability, good solvent resistance, excellent dielectric strength and good abrasion resistance.

**PTFE films** provide a conformable release surface and exhibit a remarkably low coefficient of friction and non-stick properties. At high temperatures, they still retain excellent tensile strength.

**Rulon films** offer superior abrasion resistance when compared to conventional PTFE films. In rotating bearing tests, they provided a 500-fold increase in wear resistance over standard PTFE.

**UHMW polyolefin film** tape provides anti-sticking and abrasion resistance properties. Applications include bearings, chute and guide rail coverings.

**Glass cloth** offers excellent abrasion resistance, mechanical properties, high tensile strength and extreme temperature resistance. It can absorb insulating varnishes, making it an excellent choice in the electrical market.

**PTFE glass** provides dimensional stability, high tensile strength and edge tear. The PTFE surface offers quick release and chemical resistance characteristics. Available with silicone or acrylic adhesives, these products include heat sealing and low friction release surface liners for conveyors.

**Silicone glass** provides exceptional tensile strength and abrasion resistance.

**Glass-foil** is for applications requiring higher tear strengths; fiberglass laminated with aluminum is available.

**Aluminum and copper foil** tapes offer high conformability, conductivity, and reflectivity at elevated temperatures. Aluminum is available with a fiberglass laminate for applications requiring higher tear strengths.

**Paper** tapes are designed to provide high temperature and excellent solvent resistance for wave soldering, printed circuit board masking, and hot air leveling applications.

**Strip-N-Stick** tape provides all the benefits of silicone rubber in an easy-to-apply, pressure-sensitive adhesive tape. Available in closed-cell sponge, low-density foam, or solid silicone.

### RELEASE LINERS

**Fluorosilicone liners** incorporate advanced release technology for use with silicone adhesives. They are an ideal choice when die-cutting small or complex parts.

**Polyethylene liners** are very thin and conform well to tape, slit and release easily, making them a sensible choice for die-cutting.

**PVC liners** are the most general purpose, conforming well to tape and protecting the adhesive coating during handling.

**Paper liners** are the ideal choice for die- and kiss-cutting. Paper liners have the advantage of low cost and excellent release characteristics.

### CUSTOM TAPES

As a materials innovator, Saint-Gobain specializes in manufacturing unique products to satisfy customer needs. Saint-Gobain also offers custom tapes to meet application or customer specific requirements.

CHR® is a registered trademark.



#### PERFORMANCE PLASTICS

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