

CAPABILITIES

Being able to combine high quality material with top of the line technology allows us to enhance the quality and marketability of our client's end product.

CS Hyde uses current good manufacturing practices that help provide a clean work environment in the manufacturing and distribution of our products. Our quality control team reviews our manufacturing process to guarantee we are producing products that exceed standards of excellence.

PRODUCTS:

SLIT TO WIDTH ROLLS
SHEETS

PROTOTYPE PARTS

DIE CUT PARTS

GASKETS

CUSTOM LAMINATION

KITS

BELTS

DIE-LESS SPECS:

- Abilities to cut custom and standard parts without a die.
- Can cut material up to 60"x60".
- Thickness range: up to .75" (19mm)
- Perfect for rapid prototyping, with fast turnaround on parts.

SLITTING SPECS:

- Slitting services feature the use of high-speed, computerized, top of the line slitting equipment.
- We can maintain super-tight tolerances of $(\pm) 1/32"$ or tighter depending on the material.
- We can slit substrates with or without adhesives.
- Capable of producing cut rolls from .125" wide up to 60", and ranging from .0005" to .060" in thickness.

DIE-CUTTING SPECS:

Width:

Max (cut to liner): 10in (254mm)

Max (thru cut): 19in (482.36mm)

Length:

Max (cut to liner): 12 in (304.8mm)

Max (thru cut): 30in (762mm)

Thickness:

Max (Cut to liner): .020in (.508mm)

Max (thru cut): .125in (3.175mm)

Tolerances: $\pm.015$ in

LAMINATION SPECS:

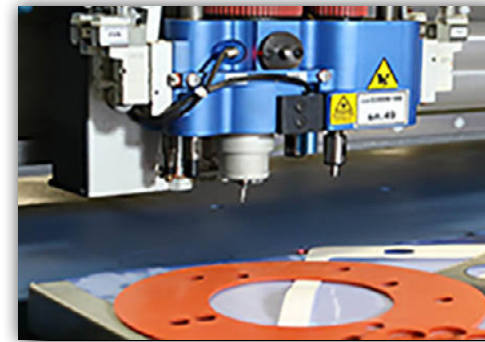
Pressure Lamination

Max width: 60 in (1524mm)

Thickness:

Min: .001 in (.0254 mm)

Max: 1 in (25.4 mm)



DIE-LESS CUTTING

[Watch Now](#)



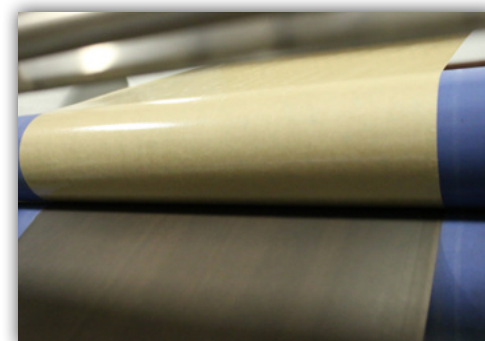
SLITTING

[Watch Now](#)



DIE-CUTTING

[Watch Now](#)



LAMINATION

[Watch Now](#)

TAPES



PTFE Tapes made with Teflon™ Fluoroplastic

- Conformable White PTFE Tape
- Double sided PTFE Tape
- “FAT” PTFE Tape
- FEP Optically Clear Tape
- FST Tape made with Teflon™
- Para-Aramid (Kevlar®) PTFE Tape
- Rulon® Tape w/ adhesive
- Skived High Bond Tape w/ adhesive
- Skived High Density Tape
- Skived PTFE Tape
- Standard grade PTFE Coated Fiberglass
- Super Smooth Tape
- TFL Red Extended Life Tape
- Ultra Premium PTFE Coated Fiberglass

CS Hyde Tapes can be slit to spec. Adhesive options include Acrylic, Silicone, or Rubber adhesive. Authorized 3M™ Choice Converter. FDA approved tape options available. Films also can be laminated with adhesive.



Optically/Transparent Clear Tapes

- FEP (Optically Clear Teflon Tape)
- PET (Type OC)
- Polycarbonate w/ Adhesive

UHMW Tapes

- (Black) Anti-Static UHMW
- UHMW High bond Tape
- UHMW- Acrylic Adhesive
- UHMW- Rubber Adhesive

Double sided Tapes

- 3M™ VHB Tapes
- Double sided Fiberglass Tapes
- Double sided Kapton®
- Double sided PTFE Tape
- Hi-Stick Transfer Tape
- Polyurethane Mounting/Bonding Tape



Speciality Tapes

- Nylon 6/6 Film Strips w/ Adhesive
- Kapton® with adhesive
- PEEK Tape w/ Adhesive
- ULTEM® PEI w/ Adhesive
- PVDFStick PVDF Tape w/ Adhesive
- Thermally Conductive Tapes
- Acetal/POM Tape
- Para-Aramid (Kevlar®) PTFE Tape

Other Tapes

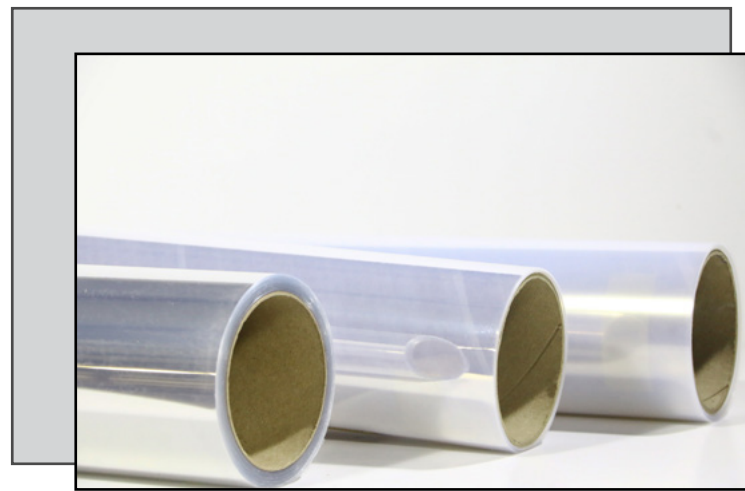
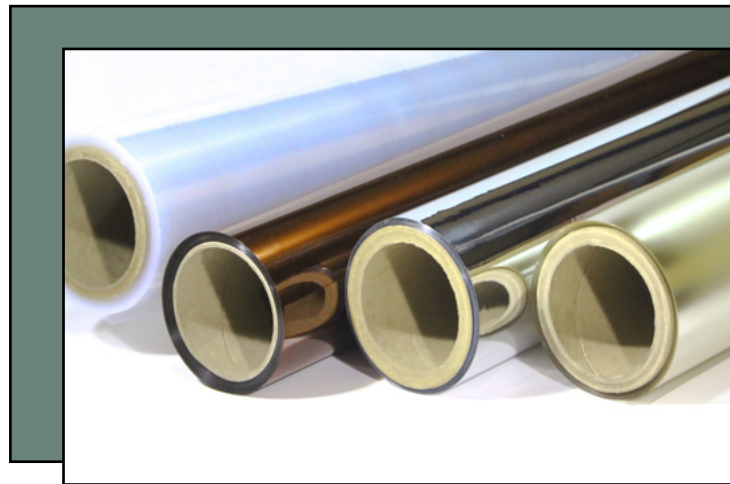
- Silicone Self-Fusing
- Silicone Strip N' Stick
- Vinyl Tape
- Plasma Flame Spray Masking Tape
- High Stick Transfer
- Foil Tapes



FILMS

ABS
Acetal
Anti-Static Black UHMW
Delrin®
ESR Reflective
FEP (Teflon™/or PTFE)
Halar® ECTFE
HDPE
Hytrel® (TPE)
Kapton® (Polyimide) Type FN
Kapton® (Polyimide) Type HN
Kapton® (Polyimide) Type MT
Kapton® (Polyimide) Type VN
Kapton® (Polyimide) Type XC
CIRLEX®
Mylar® (Polyester) PET Metalized
(Polyester) PET Optically Clear
Nylon® 6/6
PEEK™ Victrex® (Polyetherethketone)
PEI Ultem®
PES Ultrason®
PFA (Teflon™/ or PTFE)
Polycarbonate
PPS/Fortron®
PSU /Udel®
PVDF/Kynar®
*Teflon® (PTFE)
Tefzel® Optically Clear
(Teflon™/ or PTFE)
TPE Santoprene®
TPX® (Polymethylpentene)
UHMW (Polyethylene)

[VIEW FILMS](#)



We stock many thin gauge films with high performance characteristics: Resistant to extreme temperature, chemicals & moisture; high dielectric strength and flexibility.

Low minimums of one lineal foot (in-stock items) make CS Hyde Company an ideal source for R&D, design, engineering, prototype, laboratories & universities. We are also a cost-effective supplier for high volume film customers. We can custom convert most film products: Slit widths, sheeting, die-cuts, and adhesive lamination.



CS Hyde Company- High Performance Film Properties Guide

Acronym	Common Name	Trade Name	Chemical Resistance	Dielectric Strength	Easy to bond	FDA Approval	Flame Resistance	High Heat Resistance	High Strength & Stiffness	Impact Resistance	Hydrolysis Resistance	Low COF	Low Temp. Resistance	Moderate Cost	Moderate Heat Resistance	Permeability (Low)	Translucency	Transparency	UV Stability	Wear Resistance
ABS	Acrylonitrile Butadiene Styrene	Cyclac®	X		X	X				X				X	X	X				
ECTFE	Ethylene Chlorotrifluoroethylene	Halar®	X	X		X	X	X	X	X			X			X	X			X
ETFE	Ethylene Trifluoroethylene	Tefzel®	X	X		X	X	X					X			X	X			
PEEK	Polyetheretherketone	Victrex®PEEK™	X	X	X	X	X	X	X	X	X	X							X	X
PEI	Polyetherimide	Ultem®	X	X	X	X	X	X	X	X	X							X	X	
PES	Polyethersulfone	Ultrason® E, Radel® A	X	X	X	X	X	X	X		X							X		
PI	Polyimide	Kapton®	X	X	X		X	X	X		X						X			
PMP	Polymethylpentene	TPX®	X	X		X								X	X			X		
POM	Polyoxymethylene	Celcon®	X			X				X		X		X	X					X
PPS	Polyphenylene Sulfide	Fortron®, Ryton®	X	X		X	X	X			X									
PSU	Polysulfone	Udel®	X	X	X	X		X	X		X							X		
PVDF	Polyvinylidene Fluoride	Kynar®, Solef®	X	X		X	X						X		X	X	X		X	



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FABRICS

Black PTFE Coated Anti-Static Fabric
Black Silk Charmuese Fabric
Controlled Porosity PTFE
Kevlar®
Kevlar® & Fiberglass Aramid
Porous PTFE Mesh Belting
PTFE Coated Kevlar®
Silicone Coated Fiberglass
1 Ply
2 Ply
3 Ply
Tef-Lam PTFE Laminate

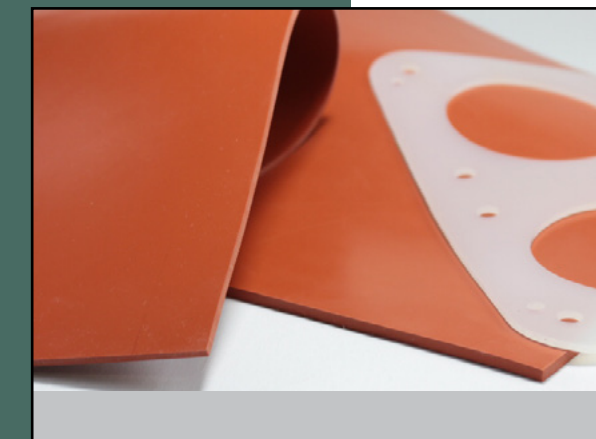
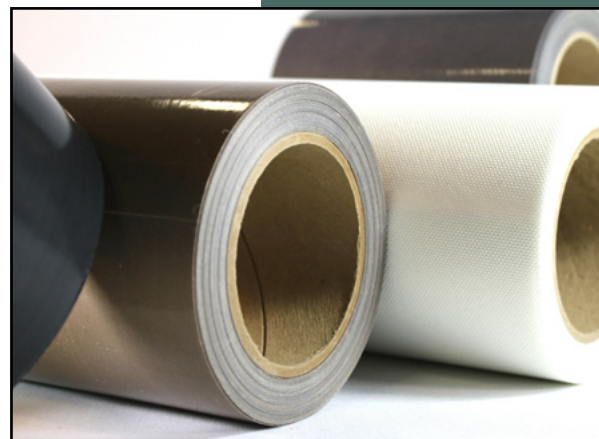
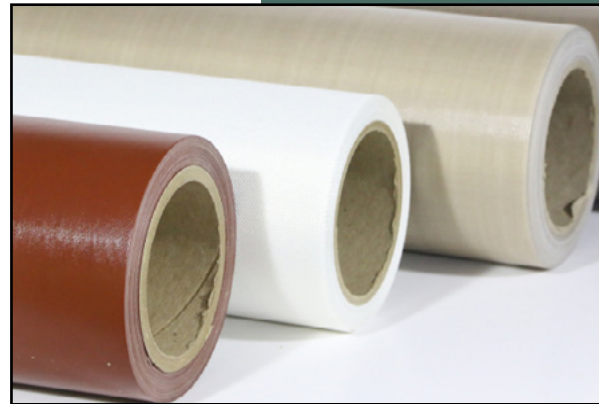
[VIEW FABRICS](#)

Our fabrics have a woven substrate of fiberglass, Kevlar®, Nomex®, silicone. Fabric is coated with PTFE or Silicone.

Laminates are fiberglass with a laminated layer of silicone and/or PTFE.

Excellent release properties, high temperature, chemical, moisture & tear resistance, dimensional & mechanical stability, low coefficient of friction and superior dielectric properties. Non porous. Up to 83" wide.

Minimums on Coated Fabrics can be as low as one square yard; Die Cuts, Custom parts, Sheets are also available.



SILICONE

Silicone Self-Fusing Tape
Silicone Coated Fiberglass
Silicone Foam
Silicone Sponge
Commercial Grade
Fiberglass Reinforced
Flame Retardant
Thermally Conductive
Low Compression Set
Solid Sheet
Commercial Grade
Electronically Conductive
FDA Approved
Fiberglass Reinforced
Flame Retardant
Fluorosilicone
High-Strength
High-Temperature
Medical Grade
Specification Grade
Thermally Conductive
Translucent
Strip n' Stick®

[VIEW SILICONE](#)

***All of these silicone products are sold by the *square yard, can be die-cut, slit or laminated with adhesive.**