

Saint-Gobain Performance Plastics

High Temperature Materials for
Composite Molding Processes



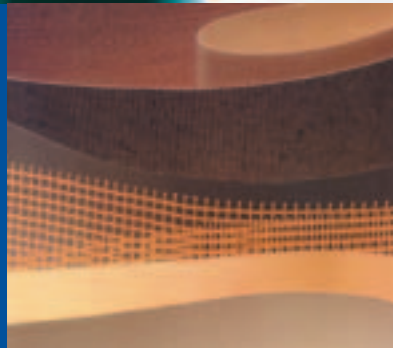
Films, Foams and
Fabrics Division (FFF)
of SGPPL

NORTON®
High Performance
Extruded Films

CHR®
Pressure-Sensitive
Adhesive Tapes

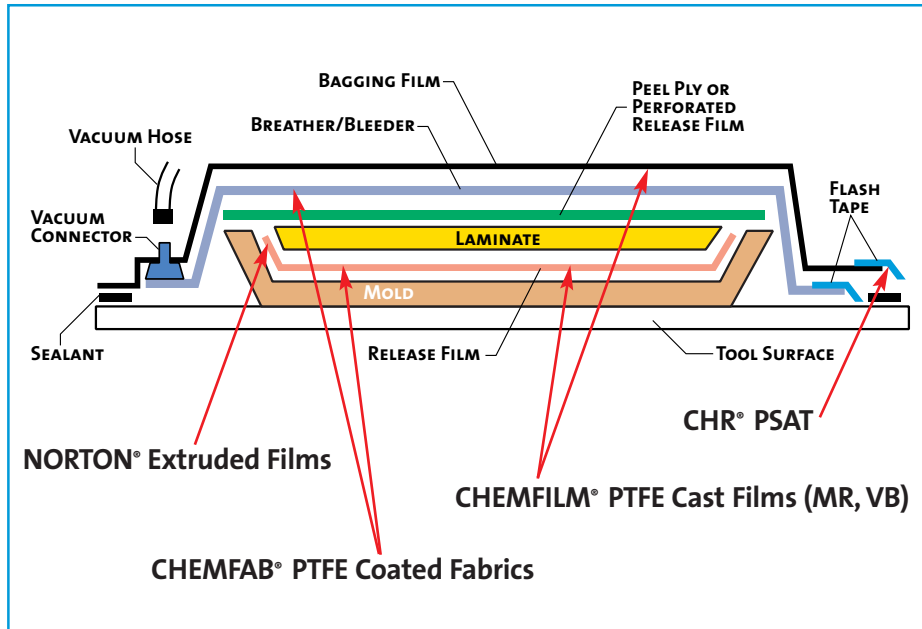
CHEMFAB®
Specialty Coated
Fabrics

CHEMFILM®
Cast Fluoropolymer
Films



Saint-Gobain Performance Plastics— The World Leader in Providing Engineered Products from High Performance Plastics and Elastomers

TYPICAL VACUUM BAGGING LAYUP



- **NORTON® Fluoropolymer Extruded Films**
Release Films in Composite Molding/Lamination
- **CHEMFAB® PTFE Coated Fabrics**
Tool Cover/Bleeder Cloth in Composite Molding
- **CHEMFILM® PTFE Cast Films**
High Temperature Vacuum Bagging and Release Film in Composite Molding
- **CHR° PSAT**
Tool Masking and Flash Tapes in Composite Molding

NORTON® High Performance Release* and Bagging Films

Saint-Gobain Part Number	Description	Gauges*	Standard Width	Colors
CHEMFILM® MR Release Film	Cast PTFE Release Film	0.001", 0.002"	48"	Blue, Red, Natural, Yellow, Purple/Raspberry
NORTON® FluoroLease® A Release Film	Multi-Layer FEP Deep Draw Release Film	0.001", 0.002"	NEW! 48", 60"	Red
NORTON® FEP Release Film	FEP Release Film	0.0005", 0.001", 0.002"	48", 60"	Red, White, Violet, Clear
NORTON® ETFE Release Film	ETFE Release Film	0.0005", 0.0006", 0.0008", 0.001", 0.002"	48", 60"	Blue, Red, Clear
NORTON® PMP Release Film	PMP Release Film	0.0012", 0.002"	60"	Blue, Clear
NORTON® ECTFE Release Film	ECTFE Release Film	0.0005", 0.001"	48", 60"	Blue
T-100	SKIVED PTFE Release Film	0.001", 0.002", 0.003"	Up to 60"	White
CHEMFILM® VB High-Temperature Bagging Film	PTFE Bagging Film/Bondable One Side	0.003"	50"	Green

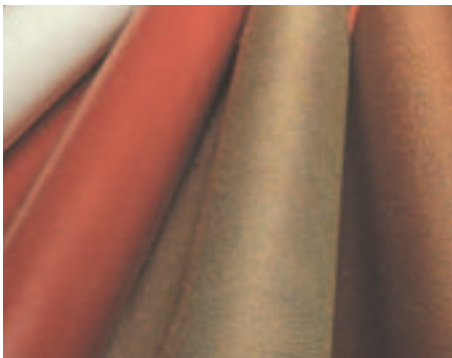
All films are available in 48" and 60" widths, except where noted. Custom widths/gauges available slit to order.
*All release films are available perforated to P1 and P3 patterns.

Release Film Selection Matrix



System Cure Temperature °F (°C)	Flat Composites	Contoured Composites
450 (230)	MR Film BMI Chemistry, Acid Off-Gassing, Ailerons, Critical Structures	MR Film
400 (205)	FluoroLease® A, FEP, ETFE Epoxy, Phenolic Systems, Wings, Other Structures	FluoroLease® A, FEP, ETFE, MR Film
250 (140)	FEP, ETFE, PMP, ECTFE Epoxy, Phenolic Systems	FluoroLease® A, FEP, ETFE, MR Film

CHEMFAB® PTFE Coated Fabrics Tool Release /Bleeder Cloth



Saint-Gobain Part Number	Description	Widths
CF9-02	2 mil Porous PTFE Fabric	38"
CF9-03	3 mil Porous PTFE Coated Fabric	38", 50", 60", 80"
CF3-03	3 mil Non-Porous PTFE Fabric	38", 50", 60"
CF5-05	5 mil Non-Porous PTFE Fabric	38"

CHR® Pressure-Sensitive Adhesive Tapes Tool Masking and Flash Tapes

ADHESIVE SYSTEMS

		RUBBER	SILICONE	ACRYLIC
Substrates	Service Temperature	-20°F to +325°F (-29°C to +164°C)	-100°F to +500°F (-73°C to +260°C)	-40°F to +375°F (-40°C to +188°C)
Polyester	-100°F to +350°F (-73°C to +177°C)	M851, M852, M855	M788, M890, M891, M892, M895	NA
Polyimide	-100°F to +500°F (-73°C to +260°C)	NA	K201, K202	NA
SKIVED PTFE	-100°F to +500°F (-73°C to +260°C)	NA	2045-2, -3, -5, -10	2042-2, -3, -5, -10
High Modulus PTFE	-100°F to +500°F (-73°C to +260°C)	2250-2	2255-2, HM350 (low elongation)	2253-2
Extruded PTFE	-100°F to +500°F (-73°C to +260°C)	NA	2285-2, 7962	2283
Silicone Sponge Strip-N-Stick®	-100°F to +500°F (-73°C to +260°C)	NA	100S	100A, 512AF
PTFE Coated Fabric	-100°F to +500°F (-73°C to +260°C)	NA	SG25-03, -05	SG23-03, -05



PERFORMANCE PLASTICS

Saint-Gobain Performance Plastics
Advanced Films and Fabrics—
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Wayne, NJ 07470-4699
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Fax: 353 65 68 20993

**NORTON® High Performance
Extruded Films**

150 Dey Road
Wayne, NJ 07470-4699
Tel: (800) 526-7844, (973) 696-4700
Fax: (973) 628-5550

**CHEMFILM® Fluoropolymer
Cast and Skived Films (MR, VB, T-100)**

CHR® PSAT
P.O. Box 320, 14 McCaffrey Street
Hoosick Falls, NY 12090
Tel: (800) 962-2666, (518) 686-7301
Fax: (518) 686-4840

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