

## CHEMFAB PTFE COATED FABRICS



## & PROCESS CONVEYOR BELTS

# DOTMAR HEATBELTS

## HEAT RESISTANT FABRICS & PROCESS CONVEYOR BELTS

Dotmar Heatbelts is the PTFE coated fabric and process conveyor belt manufacturing arm of Dotmar EPP Pty Ltd, Australasia's leading supplier of semi-finished and machined engineering plastic shapes. With 8 branches and an established network of partner re-sellers throughout Australia & New Zealand. Dotmar is able to offer unrivalled service and support in this specialised field.

Our extensive range of coated fabrics is sourced from Saint-Gobain Performance Plastics, the largest and most technically advanced manufacturer of fluoropolymer coated fabrics in the world. Their Chemfab® brand name is synonymous with quality and reliability.

### PRODUCT RANGE

- **CHEMFAB®** | PTFE Coated Glass fabrics
- **CHEMFAB® TCK** | PTFE Coated Kevlar® fabrics
- **CHEMLAM®** | PTFE Laminated fabrics
- **CHEMSTIK®** | Pressure Sensitive Adhesive Coated fabrics & Tapes
- **CHEMSTIK®** | Zone and Heatsealer Tapes
- **CHEMFAB®** | High Performance Process Conveyor Belts
- **CHEMSIL®** | Silicone Coated Glass fabrics
- **RESISTAWEAR** | Pressure Sensitive UHMWPE Tapes
- **SLIPGRIP** | PTFE one side, Silicone on the other side

### SPECIALTY RANGE

- **CHEMSTIK®** | SPSA Skived PTFE Tape w/ Silicone Pressure Sensitive Adhesive
- **CHEMSTIK®** | EXTRUDED PTFE Tapes w/ Pressure Sensitive Adhesive

## CHEMLAM® LAMINATED PTFE GLASS FABRICS

### CHEMLAM® SERIES

The Chemlam range of laminates are designed as an advanced performance alternative to the traditional PTFE-coated fabrics. They are specifically designed for harsh chemical applications with thermal cycling.

STYLE	THICKNESS (MM)	WEIGHT (G/M <sup>2</sup> )	COLOUR
Chemlam 4	0.105	190	Brown/Brown
Chemlam 6	0.145	290	Brown/Brown
Chemlam 6 GX PSA	0.150	330	Brown/Brown
Chemlam 10	0.240	455	Brown/Brown



### CHEMLAM® ULTRA SERIES

Chemlam Ultra is the trademark for the Chemfab family of multi-plyed, flexible, nonporous fluoropolymer laminated composites that combine exceptional mechanical properties and dimensional stability with extended abrasion and wear properties, resulting in longer life with less maintenance.

Chemlam Ultra 2200	0.180	330	Brown/ Beige
Chemlam Ultra 3300	0.220	424	Brown/ Beige
Chemlam Ultra 3320	0.280	576	Brown/ Beige



### CHEMLAM® "F" FOOD SERIES

Chemlam "F" laminates were originally developed for use in food contact applications and are compliant with the US Federal Food, Drug and Cosmetic and applicable food additive regulations. These products are used as bakeware/cooking liners and conveyor belts on contact grilling machines and provide a fat-free cooking surface that retains its non-stick characteristics with all types of food as long as they are regularly cleaned.

Chemlam F910	0.300	590	Black/Brown
Chemlam F916	0.410	900	Black/Brown



### CHEMLAM® SILVER ULTRA SERIES

The Chemlam Silver Ultra Series is Dotmar's best mechanical performing series within our industrial laminated range. The Silver Series features thick gauge multi-layer cast PTFE films with hardened surfaces fused to a multi-plyed fabric, resulting in a material with extended abrasion and wear resistance, exceptional mechanical properties and dimensional stability.

Chemlam Silver Ultra 3300	0.225	424	Silver/Black
Chemlam Silver Ultra 3320	0.280	540	Silver/Black





## CHEMFAB® PRODUCTS OFFER A COMBINATION OF EXCEPTIONAL FEATURES

- Outstanding Temperature Resistance (-150°C to +260°C)
- Superior Non-Stick Properties even at Extreme Temperatures
- Resistant to most Chemicals and Solvents
- High Dielectric Strength
- Easy to Clean
- Good Dimensional Stability and Flexibility
- Exceptionally Low Friction
- Very Low Electrical Loss

## DOTMAR HEATBELTS PROPERTIES CHART AND DELIVERY PROGRAM

### CHEMFAB® PLAIN PTFE COATED GLASSCLOTH

Continuous operating temperature: -150°C to 260°C

#### CHEMFAB® PREMIUM SERIES (TCF)

Style	Thickness (mm)	Weight (g/m <sup>2</sup> )	Tensile Strength Warp x Fill (N/cm)	PTFE Content %
TCF - 03 T Premium	0.085	170	160 x 130	70
TCF - 05 T Premium	0.135	270	320 x 290	61
TCF - 06 T Premium	0.160	310	300 x 290	66
TCF - 110 - 1 Premium	0.260	555	420 x 390	64
TCF - 210 - 2 Premium	0.235	490	510 x 410	59
TCF - 114 - 1 Premium	0.360	720	680 x 550	60
TCF - 214 - 1 Premium	0.350	680	670 x 530	57



#### CHEMFAB® INDUSTRIAL SERIES (TCF)

TCF - 03 T Industrial	0.07	130	160 x 120	61
TCF - 05 T Industrial	0.115	250	280 x 260	58
TCF - 06 T Industrial	0.140	300	260 x 270	66
TCF - 210 - 1 Industrial	0.235	490	400 x 350	58
TCF - 14 T Industrial	0.310	630	720 x 590	52



#### CHEMFAB® FLEX & TEAR RESISTANT SERIES (TCF)

					Tear Strength (N)
TCF - 05 T TRX Premium	0.125	260	220 x 210	60	35 x 35
TCF - 10 T TRX Premium	0.260	510	410 x 320	61	70 x 85

#### CHEMFAB® CONDUCTIVE SERIES (TCF)

TCF - 03 T Premium Cond	0.08	155	160 x 130	67	
TCF - 05 T Premium Cond	0.130	270	320 x 290	58	
TCF - 10 T Premium FP Cond	0.255	540	430 x 400	62	Fusing Press Series
TCF - 14 T HCJ Cond	0.350	700	690 x 540	58	Fusing Press Series

### CHEMSTIK® PTFE COATED GLASSCLOTH WITH PRESSURE SENSITIVE SILICONE ADHESIVE

Continuous operating temperature: -70°C to 260°C

#### PREMIUM SERIES

TCS - 03 T Premium	
TCS - 05 T Premium	
TCS - 06 T Premium	
TCS - 210 - 2 Premium	

#### INDUSTRIAL SERIES

03 T Industrial	
05 T Industrial	
06 T Industrial GXS	
210 - 1 Industrial	
14 T Industrial	

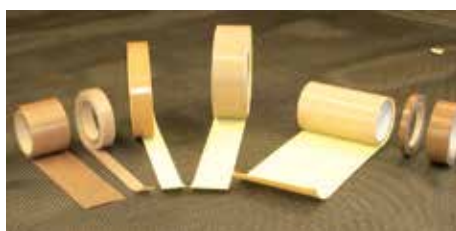
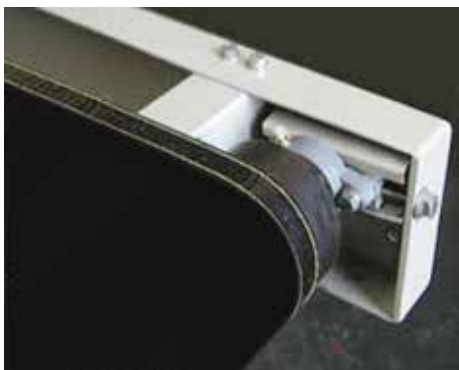
#### CONDUCTIVE SERIES

05 T Premium Cond
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#### CHEMSTIK® SPSA: Skived PTFE Film with Silicone Pressure Sensitive Adhesive One Side

Adhesive thickness = 0.06mm

TCS - SPSA - 5 T	0.130	280
TCS - SPSA - 10 T	0.250	540
TCS - SPSA - 20 T	0.500	1080



# CHEMFAB® BELTING STYLES

## CHEMFAB® OPEN WEAVE PLAIN (NATURAL) STYLE

Style	Base Fabric	Mesh Size (mm)	Nominal Thickness (mm)	Nominal Weight (g/m <sup>2</sup> )	Tensile Strength Warp & Fill	Temp (Cont °C)	Max Width (mm)	% Open Area
TCF - Chemfab 9014	Fibreglass/Fibreglass	4 x 4	0.900	460	500 x 550	260	4420	65
TCF - Chemfab 8915	Fibreglass/Fibreglass	1 x 1	0.650	530	760 x 670	260	3150	10
TCF - Chemfab 9035	Fibreglass/Fibreglass	2 x 2	0.700	450	350 x 600	260	3000	44
TCK 1590	Kevlar/Kevlar	4 x 4	0.700	265	580 x 700	230	3150	65
TCK 1000	Kevlar/Fibreglass	4 x 4	1.400	625	900 x 900	230	4100	65
TCN 1590	Nomex/Fibreglass	4 x 4	1.600	625	500 x 750	260	4420	65

## CHEMFAB® OPEN WEAVE CONDUCTIVE STYLES

TCF - Chemfab 9014	Fibreglass/Fibreglass	4 x 4	0.900	460	400 x 450	260	4420	65
TCF - Chemfab 8915	Fibreglass/Fibreglass	1 x 1	0.650	530	760 x 670	260	3150	10
TCF - Chemfab 9035	Fibreglass/Fibreglass	2 x 2	0.700	450	350 x 600	260	3000	44

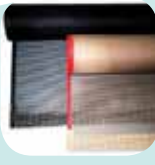
## CHEMFAB® HEAVY CLOSED WEAVE STYLES

TCK 100 -17	Kevlar	~	0.420	650	860 x 1000	230	2800	~
TCK - Chemfab 4430	Fibreglass	~	0.670	1015	700 x 1180	260	2450	~
TCF - Chemfab 7330	Fibreglass	~	0.780	1015	960 x 880	260	2550	~
TCF - Chemfab 8323	Fibreglass	~	0.650	775	670 x 570	260	1575	~

## CHEMFAB® FUSING PRESS STYLES - CONDUCTIVE

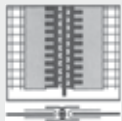
TCF - Chemfab 10T FP Cond	Fibreglass	~	0.250	540	500 x 440	260	2600	~
TCF - Chemfab 14T HCJ Cond	Fibreglass	~	0.345	700	600 x 500	260	2600	~

The products featured on this page represent the most popular styles available. There are many other Chemfab styles and your local Dotmar representative will be able to assist with your requirements.



## CHEMFAB® BELTING FABRICATION TECHNIQUES

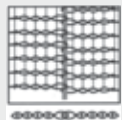
**Seam Descriptions** Dotmar provides a broad range of seam options suited to the performance specifications of each belting system.



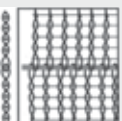
• Alligator® or Clipper® Laced Seam



• Castellated Seam



• TCK® 90 Bullnose Seam



• Peek Spiral Seam

### HEAT SEALED SPLICES



• Butt Splice



• Overlap Splice



• Half Scarf Splice

### EDGE REINFORCEMENT



• Hiflex



• Chemfab or TCK

## INDUSTRIES

**FOOD Features** • Non-stick • Non-toxic • Inert • Coatings comply with FDA and USDA regulations • Unaffected by microwaves • Easy clean • -150°C to + 260°C range • Non-stick, eliminates PVC/PE build-up in bag making • Improves product flow • Prevents heat loss • Saves energy

**Applications** • Conveyor belts for grills (Chemlam, Chemlam Ultra Series and Chemlam "F" Series) • Baking tray liners (Bake-It, Chemfab, Chemlam) • Baking and cooling confectionery, biscuits tortillas and pizza crusts • Cryogenic freezing of produce

**PACKAGING Features** • Non-stick, eliminates PVC/PE build-up in bag making • Improves product flow • Prevents heat loss • Saves energy

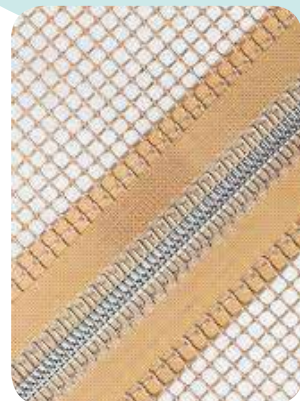
**Applications** • Heat-seal jaws (Chemfab, Chemstik, Chemstik Zone and Heatsealer Tapes) • Side wrapper belts for packaging toilet tissue, hand towels (Chemlam, Chemlam Silver, Chemfab TRX) • Tray-wrappers for packaging fresh meat, poultry, vegetables (Chemfab, Chemlam, Chemfab TRX) • Shrink wrap tunnel belts and curtains (Chemfab, Chemsil)

## OTHER TYPICAL APPLICATIONS INCLUDE

Clothing | Textile | Screen Printing | Floor Covering | Polymer Processing | Aerospace Chemical | uPVC Welding | Abrasives | Wire & Cable | Electronics | PCB Release Sheets

**DOTMAR HEATBELTS**  
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