

## RELEASE FABRICS

<b>A-8888</b>	Nylon peel ply fabric with an inert, heat stabilized, fully cross-linked, polymer finish Weight: 2.2 oz./yd <sup>2</sup>
<b>B-4444</b>	Nylon peel ply fabric with an inert, heat stabilized, fully cross-linked, polymer finish Weight: 1.70 oz./yd <sup>2</sup>
<b>E-5555</b>	Fiberglass fabric with an inert, heat stabilized, fully cross-linked, polymer finish Weight: 3.11 oz./yd <sup>2</sup>
<b>200 TFP</b>	Porous TFE coated fiberglass fabric Weight: 1.8 oz./yd <sup>2</sup>
<b>200 TFNP</b>	Non-porous TFE coated fiberglass fabric Weight: 3.2 oz./yd <sup>2</sup>
<b>200 TFP-1</b>	Porous TFE coated fiberglass fabric. Weight: 1.36 oz./yd <sup>2</sup>
<b>1581-C</b>	Fiberglass fabric with an inert, heat stabilized, fully cross-linked, polymer finish Weight: 9.0 Oz./yd <sup>2</sup>

**NOTE:** All Release Fabrics are available in narrow roll widths by Hot Knife Slitting to eliminate edge fraying with the exception of T 3333, E 5555 & 1581-C.

**A 8888**

**Open Weave Polyamide Release Fabric**

**DESCRIPTION:**

A **8888** is a nylon open-weave fabric, coated with a proprietary, heat reacted release agent. A **8888** release fabric was specifically designed for use in composite and metal-bond assembly manufacturing.

**APPLICATION:**

A **8888** has excellent drapeability and provides excellent release capabilities. A **8888** is compatible with most epoxy and polyester resin systems. Testing is advised before using with any phenol resin system.

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**PHYSICAL PROPERTIES:**

Color:	green	
Weight:	2.2 oz/yd. <sup>2</sup>	75 g/m <sup>2</sup>
Thickness:	.0045"	114 mm
Maximum use temperature:	400°F	205°C

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Standard roll size:	60" x 100 yds	1.52m x 92m
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**This product is available in narrow roll widths by Hot Knife Slitting to eliminate edge fraying.**

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***B 4444***

**Tight Weave Polyamide Release Fabric**

**DESCRIPTION:**

**B 4444** is a nylon tight-weave fabric, coated with a proprietary, heat reacted release agent. **B 4444** release fabric was specifically designed for use in composite and metal-bond assembly manufacturing.

**APPLICATION:**

**B 4444** has excellent drapeability and release capabilities. With the tight weave, **B 4444** leaves a smooth finish on processed details. **B 4444** is compatible with most epoxy and polyester resin systems. Testing is advised before using with any phenol containing resin system.

**PHYSICAL PROPERTIES:**

Color:	blue/green	
Weight:	1.7 oz/yd. <sup>2</sup>	58 g/m <sup>2</sup>
Thickness:	.0045"	114 mm
Maximum use temperature:	400°F	205°C

Standard roll size:      58" x 100 yds      1.48m x 92m

**This product is available in narrow roll widths by Hot Knife Slitting to eliminate edge fraying.**

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***E 5555***

**High Temperature Release Fabric**

**DESCRIPTION:**

**E 5555** is a #116 fiberglass cloth coated with a proprietary, heat re-acted release agent. **E 5555** release fabric was specifically designed for use in high temperature thermoplastic, composite and metal-bond assembly manufacture.

**APPLICATION:**

**E 5555** may be used with phenolics, epoxies, polyesters, polyimides, bismaleimides and any commercial resin or adhesive system. The high tensile strength and tear resistance allows clean removal from all substrates. **E 5555** has been used successfully with forming all of the thermoplastics including PEEK.

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**PHYSICAL PROPERTIES:**

Color:	green	
Weight:	3.11 oz/yd. <sup>2</sup>	106 g/m <sup>2</sup>
Thickness:	.005"	.127 mm
Maximum use temperature:	900°F	482°C

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Standard roll size:	38" x 100 yds.	.97m x 92m
	50" x 100 yds.	1.27m x 92m

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## ***200TFP***

### **Porous PTFE Coated Fiberglass Fabric**

**DESCRIPTION:**

**200TFP** is a porous PTFE-coated plain weave fiberglass cloth release fabric. **200TFP** is resistant to all solvents, adhesives and resin systems normally encountered in composite and metal-bond manufacture. It will release from all commercial resin systems.

**APPLICATION:**

**200TFP** is designed as a release fabric that will allow excess resin, volatiles and trapped air to bleed through the release fabric and be absorbed in the bleeder or vented out of the bag through the vacuum vent port. It can be used on metal-bond assemblies to allow the adhesive flash to be bled into the breather and removed from the assembly. **200TFP** is ideal for flat and simple contoured assemblies.

**PHYSICAL PROPERTIES:**

Color:	Tan	
Weight:	1.8 -2.1 oz/yd. <sup>2</sup>	53 - 75gm/m <sup>2</sup>
Porosity:	20-80 CFM	0.57- 2.26 CMM
Thickness	.0025" +/- 10%	0.0635mm +/- 10%
Tensile strength	Warp - 65 lbs +/- 10%	29.48 +/- 10%
	Fill - 45 +/- 10%	20.41 +/- 10%
Maximum use temperature:	550°F	288°C

Standard roll size:	38" x 100 yds.	.97m x 91m
Available up to:	80" x 100 yds.	2m x 91m

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## ***200TFNP***

### **Non-Porous PTFE Coated Fiberglass Fabric**

**DESCRIPTION:**

**200TFNP** is a non-porous PTFE-coated plain weave fiberglass cloth release fabric. **200TFNP** is resistant to all solvents, adhesives and resin systems normally encountered in composite and metal-bond manufacture. It will contain and release from all commercial resin

**APPLICATION:**

**200TFNP** is designed as a release fabric that will prevent resin from bleeding through the release fabric and into the breather fabric. It can be used on metal-bond assemblies to promote filleting of the adhesive flash. **200TFNP** is ideal for flat and simple contoured assemblies.

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**PHYSICAL PROPERTIES:**

Color	Tan	
Thickness:	0.003	0.076mm
Weight:	3.2 oz/yd. <sup>2</sup>	109 g/m <sup>2</sup>
Porosity:	~2 CFM	~.06 CMM
Basic fabric - 1080 fiberglass:	42%	
Coating material – PTFE:	58%	
Maximum use temperature:	550°F	288°C

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Standard roll size:	38" x 100 yds.	.97m x 91m
Available up to:	80" x 100 yds.	2m x 91m

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## *200TFP-1*

### **Porous Lightweight PTFE Coated Fiberglass Fabric**

**DESCRIPTION:**

**200TFP-1** is a very light weight PTFE-coated glass fabric. It is used as a release interface between assembly details where thickness of the release material must be minimal. **200TFP-1** will release from all commercial resin systems, and is resistant to all solvents, and cure by-products encountered in composite and metal-bond manufacturing.

**APPLICATION:**

**200TFP-1** is designed as a release fabric that will allow excess resin, volatiles and trapped air to bleed through the release fabric and be absorbed in the bleeder or vented away from the assembly. It is especially useful where tolerances do not allow a heavier material. **200TFP-1** is ideal for flat and simple contoured assemblies.

**PHYSICAL PROPERTIES:**

Color:	light tan	
Weight:	1.36 oz/yd <sup>2</sup>	46 g/m <sup>2</sup>
Porosity:	~125 CFM	~3.5CMM
Basic fabric -106 fiberglass:	53%	
Coating material—PTFE:	47%	
Maximum use temperature:	550°F	288°C

Standard roll size:	38" x 100 yds.	.97m x 91m
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## *1581C*

### **High Temperature Release Fabric**

**DESCRIPTION:**

**1581C** is a 1581 fiberglass cloth coated with a proprietary, heat reacted release agent. **1581C** release fabric was specifically designed for use in high temperature thermoplastic, composite and metal bond assembly manufacture.

**APPLICATION:**

**1581C** may be used with phenolics, epoxies, polyesters, polyimides, bismaleimides and any commercial resin or adhesive system. The high tensile strength and tear resistance allows clean removal from all substrates. **1581C** has been used successfully with forming all of the thermoplastics including PEEK.

**PHYSICAL PROPERTIES:**

Color:	Green	
Weight:	9.0 oz./yd <sup>2</sup>	304 g/m <sup>2</sup>
Thickness:	.013"	.33mm
Maximum use temperature	>900°F	482°C

Standard roll size:	38" x 100 yds.	.97m x 114m
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