

# NATIONAL AEROSPACE SUPPLY CO.

33155 CAMINO CAPISTRANO • UNIT C • SAN JUAN CAPISTRANO, CA 92675  
PHONE: (949) 240-6353 • FAX: (949) 248-5655

## NA100 TEF RELEASE 100 NON-POROUS TEFLON COATED GLASS CLOTH RELEASE FABRIC

### DESCRIPTION

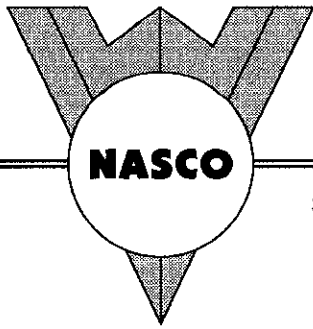
**NA100 TEF Release 100** is a non-porous Teflon coated fiberglass fabric which restricts resin flow and releases from all commercial resin systems without transfer. It is used where resin bleed must be totally restricted. It is also used as a re-useable slip sheet against tooling especially in flat panel fabrication. **NA100 TEF Release 100** is non-sticking, dimensionally stable and can withstand use temperatures up to 550 degrees F. For high pressure lamination applications requiring no mark-off from the fiberglass cloth, a heavier coating of Teflon on the fabric is available with **NA100 TEF Release 100**. Product is available in thicknesses of 3, 5, and 10 mils and widths up to 80 inches. For a pressure sensitive adhesive backed version, please refer to the data sheet for **TEF Tape** in this catalog.

### PACKAGING

	<u>NA100-3</u>	<u>NA100-5</u>	<u>NA100-10</u>
Thickness, inches	.003	.005	.010
Standard roll sizes	38 in x 100 yds 50 in x 100 yds		

Other sizes are available upon request.

Note: Information herein is believed to be correct based upon laboratory tests. No warranty of any kind is made except that materials supplied are standard quality. All risk and liability arising from handling, storage, and use of these products, as well as compliance with applicable legal restrictions, rests with the buyer. Buyer's remedy is limited to return and replacement of goods found to be defective due to manufacturer.



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## NA400 TEF RELEASE 400 POROUS TEFLON COATED GLASS CLOTH RELEASE FABRIC

### DESCRIPTION

**NA400 TEF Release 400** is an economical, porous release fabric. It is a Teflon coated fiberglass fabric which allows volatile and resin flow through its thickness yet releases from all commercial resin systems.

**NA400 TEF Release 400** maintains consistent Teflon coating on the fiberglass fabric so that processing does not vary from roll to roll. It is dimensionally stable and can withstand use temperatures up to 550 degrees F.

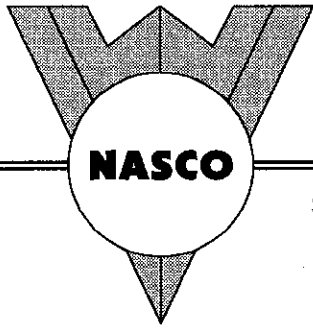
**NA400 TEF Release 400** is available in thicknesses of 1 and 3 mils and widths up to 80 inches wide.

### PACKAGING

Thickness, inches	<u>NA400-1</u> .001	<u>NA400-3</u> .003
Standard roll sizes	38 in x 100 yds 50 in x 100 yds	

Other sizes are available upon request.

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## **BPPA BLEEDER PEEL PLY A RELEASE COATED HIGH TEMPERATURE FABRIC**

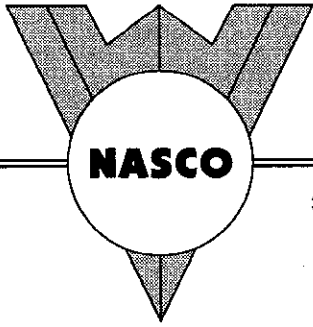
### **DESCRIPTION**

**Bleeder Peel Ply A** is a high temperature woven fabric coated with a non-transferring release agent. It is designed for use in 250 to 375 degree F vacuum bag laminate cures. The non-transferring release coating on the fabric enables this product to be easily removed without fusing to the laminate after serving as a bleeder for excess resin and surface peel ply. **Bleeder Peel Ply A** will release from most commercial resins, however, with Phenolics resin systems it is recommended to evaluate whether **Bleeder Peel Ply A** will adhere or release adequately.

### **PACKAGING**

Standard roll sizes	46 in x 100 yards
	60 in x 100 yards

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## **BPPB BLEEDER PEEL PLY B RELEASE COATED HIGH TEMPERATURE FABRIC**

### DESCRIPTION

**Bleeder Peel Ply B** is a high temperature woven fabric coated with a non-transferring release agent. It is designed for use as a resin bleeder and release fabric in laminate cure cycles up to 375 degrees F. **Bleeder Peel Ply B** is superior to un-coated materials because the non-transferring release coating on the fabric enables this product to be easily removed without fusing to the laminate after serving as a bleeder for excess resin and surface peel ply. **Bleeder Peel Ply B** release from most commercial resins, however with Phenolics resin systems it is recommended to evaluate whether **Bleeder Peel Ply B** will adhere or release adequately. **Bleeder Peel Ply B** is a finer weave than **Bleeder Peel Ply A** and thus is used where a smoother surface finish for subsequent processing is desired.

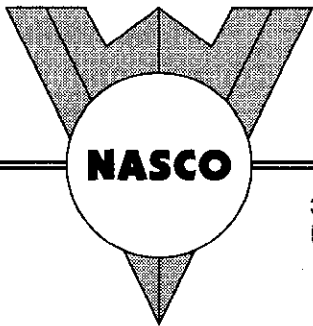
### PHYSICAL PROPERTIES

Fabric weight	1.9-2.05 oz/sqyd
Fabric construction, per inch	162 ends x 108 picks
Thickness, inches	.004 to .005

### PACKAGING

Standard roll sizes	46 in x 100 yards
	60 in x 100 yards

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## **BPPC BLEEDER PEEL PLY C RELEASE COATED HIGH TEMPERATURE FABRIC**

### **DESCRIPTION**

**Bleeder Peel Ply C** is a high temperature woven fiberglass fabric coated with a non-transferring release agent. It is designed for use as a resin bleeder and release fabric in laminate cure cycles up to 800 degrees F under high pressure. Thus, it is ideal for high bleed resins, polyimide, and thermoplastics requiring high temperature processing. **Bleeder Peel Ply C** is superior to un-coated materials because the non-transferring release coating on the fabric enables this product to be easily removed without fusing to the laminate after serving as a bleeder for excess resin and surface peel ply. **Bleeder Peel Ply C** will release from all commercial resins including Phenolics.

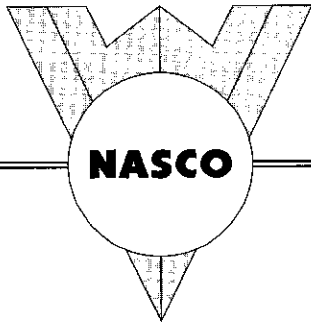
### **PHYSICAL PROPERTIES**

Fabric weight	8.85-8.95 oz/sqyd
Fabric constricton, per inch	57 ends x 54 picks
Thickness, inches	.008

### **PACKAGING**

Standard roll sizes	38 in x 100 yards
	50 in x 100 yards

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## PPA PEEL PLY A HIGH TEMPERATURE NYLON RELEASE FABRIC

### DESCRIPTION

**Peel Ply A** is a high temperature, nylon fabric for stability in cure cycles up to 375 degrees F. It is ideal as a release material used directly against a laminate or adhesive bond surface where a textured surface is required for subsequent processing. **Peel Ply A** will release from most commercial resins, however a test sample should be run for Phenolics resin systems. When **Peel Ply A** needs to be more easily removed after cure, **Bleeder Peel Ply A** as listed in this catalog is recommended.

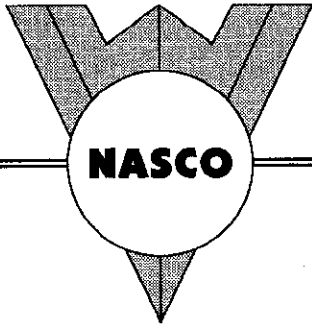
### PHYSICAL PROPERTIES

Fabric weight	2.2 oz/sqyd
Fabric construction, per inch	40 ends x 40 picks, 210 denier
Thickness, inches	.008

### PACKAGING

Standard roll sizes	42 in x <del>250</del> yds 60 in x <del>250</del> yds
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## PPB PEEL PLY B

### HIGH TEMPERATURE NYLON RELEASE FABRIC

#### DESCRIPTION

**Peel Ply B** is a high temperature, nylon fabric which is heat-set and scoured for stability in cure cycles up to 375 degrees F. It is ideal as a release material used directly against a laminate or adhesive bond surface where a textured surface is required for subsequent processing. **Peel Ply B** is a finer weave than **Peel Ply A** and thus is used where a smoother surface finish is desired. It is excellent for controlling adhesive squeeze-out. **Peel Ply B** will release from most commercial resins, however a test sample should be run for phenolic resin systems. When **Peel Ply B** needs to be more easily removed after cure, **Bleeder Peel Ply B** as listed in this catalog is recommended.

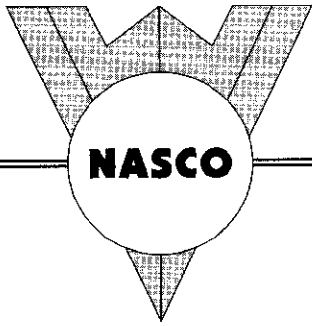
#### PHYSICAL PROPERTIES

Fabric weight	1.90-2.05 oz/sqyd
Fabric construction, per inch	104 ends (40 den) x 87 picks (70 den),
Thickness, inches	.004-.005

#### PACKAGING

Standard roll sizes	46 in x 300 yards 60 in x 300 yards
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## PPC PEEL PLY C HIGH TEMPERATURE RELEASE FABRIC

### DESCRIPTION

**Peel Ply C** is a high temperature fabric which is heat-set and scoured for stability in cure cycles up to 400 degrees F/100 psi without breakdown. **Peel Ply C** is ideal as a release material used directly against a laminate or adhesive bond surface where a textured surface is required for subsequent processing and removal in a single piece is important. Bonding or painting is made easier as the post-cure surface texture eliminates or minimizes sanding. It releases from 250 and 400 degree F cured Kevlar prepreg. **Peel Ply C** is excellent for controlling adhesive squeeze-out.

### PHYSICAL PROPERTIES

Fabric weight	2.5-2.9 oz/sqyd
Thickness, inches	.006

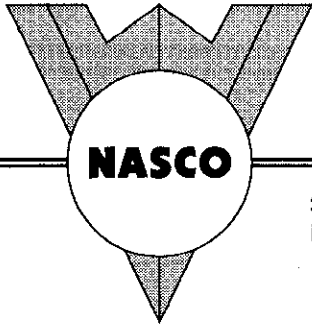
### PACKAGING

Standard roll sizes	47 in x 250 yards 60 in x 250 yards
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Slitting of master rolls to any width is available upon request.

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## PPF PEEL PLY F HIGH TEMPERATURE RELEASE FABRIC

### DESCRIPTION

**Peel Ply F** is a high temperature fabric which is heat-set and scoured for stability in cure cycles up to 350 degrees F/100 psi for extended cure times. It is ideal as a release material used directly against a laminate or adhesive bond surface where a textured surface is required for subsequent processing such as bonding or painting. It releases from 250 and 350 degree F cured Kevlar prepreg. **Peel Ply F** is a heavier, more textured weave than **Peel Ply A or B** and does not have a release coating, thus it is used where a rougher surface finish is desired. It is excellent for controlling adhesive squeeze-out. A Blue color fabric is available upon request.

### PHYSICAL PROPERTIES

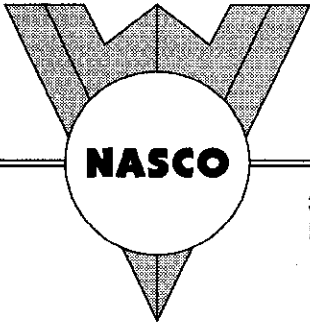
Fabric weight	2.9-3.2 oz/sqyd
Thickness, inches	.006

### PACKAGING

Standard roll sizes	46 in x 250 yards
	60 in x 250 yards

Slitting of master rolls to any width is available upon request.

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## PPG PEEL PLY G HIGH TEMPERATURE RELEASE FABRIC

### DESCRIPTION

**Peel Ply G** is a high temperature fabric which is heat-set and scoured for stability in cure cycles up to 400 degrees F/100 psi without breakdown. **Peel Ply G** is ideal as a release material used directly against a laminate or adhesive bond surface where a textured surface is required for subsequent processing and removal in a single piece is important. Bonding or painting is made easier as the post-cure surface texture eliminates or minimizes sanding. It releases from 250 and 400 degree F cured Kevlar prepreg. **Peel Ply G** is excellent for controlling adhesive squeeze-out.

### PHYSICAL PROPERTIES

Fabric weight	2.5-2.9 oz/sqyd
Thickness, inches	.006

### PACKAGING

Standard roll sizes	46 in x 250 yards
	60 in x 250 yards

Slitting of master rolls to any width is available upon request.

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