



NATIONAL AEROSPACE SUPPLY CO.

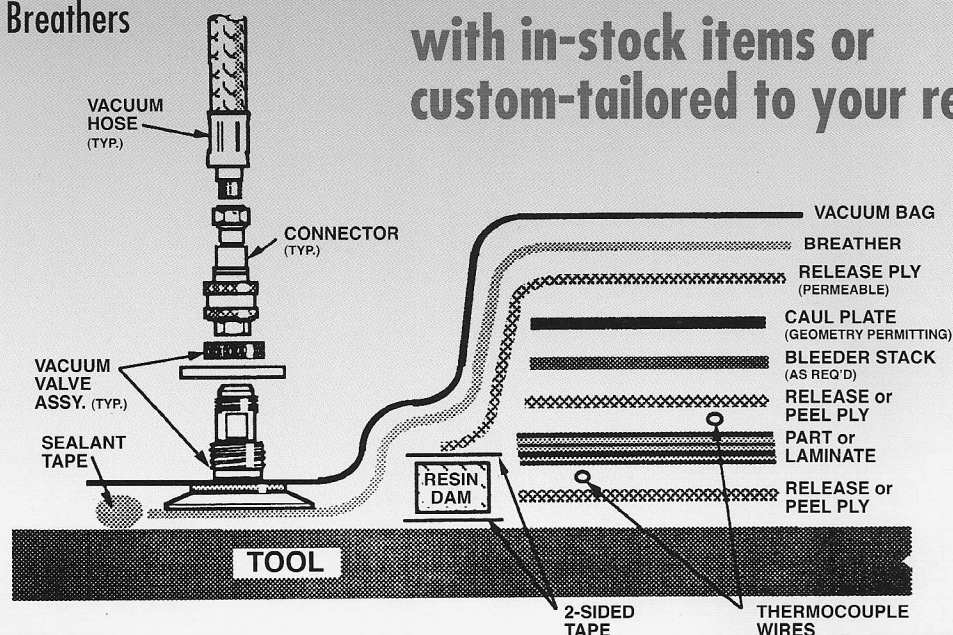
**Vacuum Bag Process & Support Materials
to Build Composite Parts**

33155 Camino Capistrano, Unit C • San Juan Capistrano, CA 92675
(949) 240-6353 • Fax (949) 248-5655 • Email: info@nationalaerospace.com

National Aerospace Supply Company provides composite fabricators with a complete line of process consumables including:

- Vacuum Bagging Films
- Release Films
- Release Fabrics
- Bleeders & Breathers
- Pressure Sensitive Tapes
- Sealant Tapes
- Vacuum Valves & Connectors
- Pumps & Hoses
- Tooling & Support Materials

with in-stock items or custom-tailored to your request.



NASCO BAGGING FILMS, RELEASE FILMS & RELEASE FABRICS

VACUUM BAGGING FILMS • 2, 3, 5-mil. thick, up to 120" widths, standard & custom put-ups

PRODUCT NO.	DESCRIPTION	MAX TEMP	COLOR TEMP	THICKNESS (MILS)	PRODUCT FORM (LAYFLAT)
NA 1350	Nylon	390 F	Pink	2, 3, 5	Tube & Sheet
NA 1400	Nylon	400 F	Clear	2, 3, 5	Tube & Sheet
NA 1400-1	Nylon	400 F	Gold	2, 3, 5	Tube & Sheet
NA 1400-2	Nylon	400 F	Green	2, 3, 5	Tube & Sheet
NA 1405	Cast Nylon	420 F	Clear	2, 3	Sheet
NA 1450	Nylon 66	450 F	Blue	2, 3, 5	Tube & Sheet
NA 1250	Debulk	250 F	Clear	2	Tube & Sheet
NAA750	Polyimide	750 F	Amber	1, 2	Sheet

RELEASE FILMS • Custom perforating available on all films

PRODUCT NO.	DESCRIPTION	COLOR	THICKNESS (MILS)
NA 1000	FEP, High elongation for complex contours	Clear	1, 2
NA 1000 R	FEP, High elongation for complex contours	Red	1, 2
NA 1100 B	Modified fluorinated polymer, high elongation	Blue	0.5 - 2
NA 1150	Modified fluorinated polymer, high elongation & tear	Clear	0.5 - 2
NA 250R	Low temp polymer release film, 260 F, max service	Clear	1

NOTE: ALL RELEASE FILM AVAILABLE WITH PERFORATIONS. CALL FOR STANDARD AND CUSTOM SIZES.

RELEASE FABRICS • Custom widths and put-ups available

PRODUCT NO.	DESCRIPTION	MAX TEMP	WEIGHT/SQ. YD.	THICKNESS (MILS)
NA 100	Nonporous ptfе coated glass	550 F	.27	3, 5, 10
NA 400	Porous ptfе coated glass	550 F	.18	1, 3
Bleeder Peel Ply A	Release coated	375 F	2.2 oz.	5
Bleeder Peel Ply B	Release coated, fine weave	375 F	2 oz.	4.5
Bleeder Peel Ply C	Release coated glass	800 F	8.9 oz.	9
Bleeder Peel Ply E	Release coated glass	800 F	3.2 oz.	3.8
Peel Ply A	Non-release coated	375 F	2.2 oz.	5
Peel Ply B	Non-release coated, fine weave	375 F	2 oz.	4.5
Peel Ply F	Non-release coated	350 F	3.2 oz.	6
Peel Ply G	Non-release coated	400 F	2.7 oz.	5

NASCO BLEEDERS, BREATHERS & TAPES**BLEEDERS & BREATHERS • Custom slitting available**

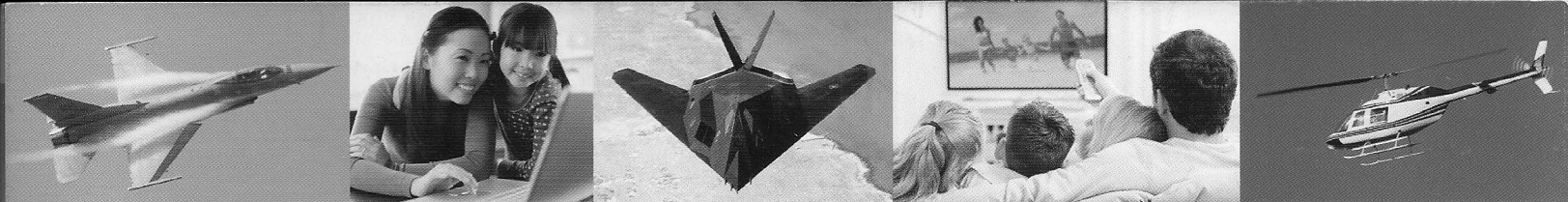
PRODUCT NO.	DESCRIPTION (NONWOVEN FABRIC FORM)	WEIGHT (OZ./SQ. YD.)	ROLL SIZE (YDS.)
Airflo™ NA 2	Polyester fabric (nonwoven)	2.2	60" x 250
Airflo™ NA 4	Polyester fabric (nonwoven)	4	60" x 100
Airflo™ NA 4 FR	Fire retardant polyester fabric	4	60" x 100
Airflo™ NA 7	Polyester fabric (nonwoven)	7	60" x 50
Airflo™ NA 10	Polyester fabric (nonwoven)	10	60" x 50
Airflo™ NA 10 FR	Fire retardant polyester fabric	10	60" x 50
Airflo™ NA S10	Polyester fabric, heavy denier	10	60" x 50
Airflo™ NA S10 FR	Fire retardant polyester, heavy denier	10	60" x 50
Airflo™ Waffleweave	Open mesh synthetic fabric, max. vol. flow	3.5	64" x 250
Ultraflo™ 1000	Nylon fabric, 450 F/200 psi service	13	60" x 50
Ultraflo™ 2000	Nylon fabric, 450 F/200 psi service	13	60" x 50
Ultraflo™ 3000	Nylon fabric, 450 F/200 psi service	10	60" x 50
Ultraflo™ 4000	Nylon fabric, 450 F/200 psi service	4	60" x 100

PRESSURE SENSITIVE TAPES • Custom widths and thicknesses available

PRODUCT NO.	DESCRIPTION (NONWOVEN FABRIC FORM)	ROLL SIZE (YDS.)
Flashstripper™ 1	1 mil polyester PSA, transparent blue, 400 F use	1" & 2" x 72
Flashstripper™ 2	1 mil polyester PSA, transparent blue, 400 F use	1" & 2" x 72
Flashstripper™ 5	1 mil polyester PSA, transparent blue, 400 F use	1" & 2" x 36
Flashstripper™ 1R, 2R, 5R	1, 2 or 5 mil polyester PSA, rubber base PSA, 400 F use	1" & 2" x 72 / 36
TEF tape	Skived ptfе PSA, high elongation, 500 F use	1" & 2" x 36
NA 48 N	2 mil nylon non-silicone PSA tape	1" & 2" x 72
NA HT 43	Polyimide PSA, 700 F use	1" & 2" x 36
FLEXCORE	Two-side coated PSA for honeycomb machining	2" x 36
PROTOOL	Nonporous ptfе coated glass silicone or acrylic PSA	1" & 2" x 36
NA Alum PSA	Aluminum tape	1" & 2" x 36
NA YVT PSA	Poly vinyl tape, yellow	1" & 2" x 36

SEALANT TAPES • Standard roll sizes: 1/2" x 1/8" x 25 ft. and 3/4" x 1/8" x 25 ft.

PRODUCT NO.	DESCRIPTION	COLOR	MAX. TEMP
NA 350	Vacuum bag sealant caulking	Gray	400 F



NASCO VALVES, PUMPS, HOSES, ACCESSORIES & TOOLS

Vacuum Valves • Pumps • Hoses

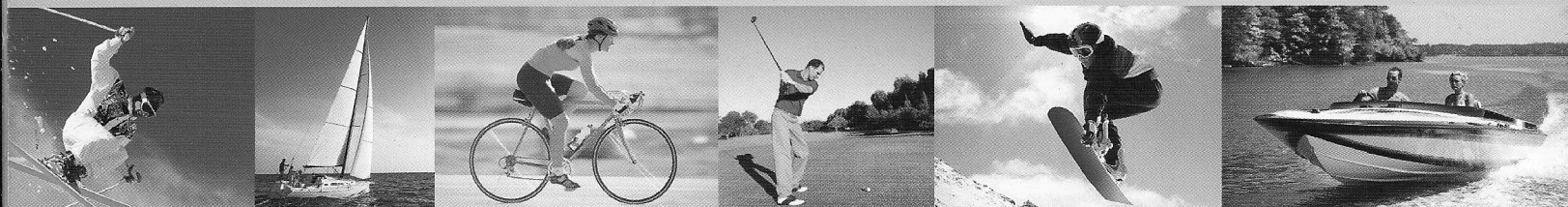
PRODUCT NO.	DESCRIPTION
NAV-2	Two-piece aluminum or steel, rubber gasket, twist-lock ring
NAV-3	Three-piece, aluminum or steel, rubber gasket, screw-on ring
QD 14	Quick disconnect, steel assembly
ACH 1000	Non-braided stainless steel autoclave hose
NAQD 400 TF	Steel quick disconnect, threaded fitting for autoclave hose, female 1/4" thread
NAQD 40 BF	Steel quick disconnect, barbed fitting for rubber autoclave hose, female 1/4" thread
AH 100	Autoclave hose, braided steel cover over teflon tube, 450-500 F use
AH 100 R	Autoclave hose with rubber sleeve over braided steel covered teflon tube, 500 F use
AH 200	Autoclave hose, flexible all stainless steel hose, 900 F use
OH-50	Oven hose, silicone rubber over flexible steel tube, 450 F use

Accessories

PRODUCT NO.	DESCRIPTION
NA MC	Tungsten steel, rotary wheel material cutter 1", 2", 3"
NA MC RB	Replacement blades for rotary wheel cutter 1", 2", 3"
NA KC	Specialty scissors for kevlar fabrics, prepregs and thin laminates
NA U80	Polyurethane table-top cutting surface
NA U80 NS	Polyurethane table-top cutting surface, non-silicone
BBB2	Preassembled roll of breather/bleeder fabric, release film & peel ply, 400 F service
NA10-30oz	Edge breather/bleeder, polyester, needle punched, 30 oz./sq. yd.
Grid Strip	Punched metal strips for gripping prepregs and fabrics on tooling surface

Tooling and Support Materials

PRODUCT	DESCRIPTION
Woven fiberglass fabrics	Standard industry styles and weaves as well as custom styles
Woven carbon/graphite fabrics	Standard industry styles and weaves as well as custom styles
Woven aramid fabrics	Standard industry styles and weaves as well as custom styles



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