

# VACUUM BAGGING SUPPLIES

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**VACUUM BAGGING TECHNIQUES BOOK** - P/N 01-14803 ..... \$4.65/ea.

**VACUUM BAGGING FILM** - #7400 film is a high grade nylon 6 film. It is transparent green in color and heat stabilized for long term, 350°F cures. Film is soft & pliable and ideal for high temperature composites, metalbond, and any function requiring heat & pressure. Width: 54".

P/N 01-14805 ..... \$1.44/Yd.

**4.5 OZ. BREATHER/BLEEDER PLY** - #3450 is a 4.5 oz./sq. yd. non-woven breather system used for even volatile evacuation from vacuum bags. It can be used at pressures up to 85 psi (5.8 bars). Multi-directional conformability make it a very efficient breather. This breather does not contain any binders which could seal the air flow. Width: 60".

P/N 01-14810 ..... \$1.80/Lin.Yd.

**STRETCHLON VACUUM BAG FILM 60"** - Modified urethan film with incredibly high elongation, which allows anyone to vacuum bag easily. This film has memory and can be reused. .0015 x 60" x 200 ft (38m x 1.52m x 62m) approx shipping weight 18lbs per roll (8.1 kg) Not affected by low humidity, always stays soft with no cracking. Elongation up to 600%, one with elastic memory. Use temperatures up to 400°F (204°C). Can be heat sealed to custom shapes reducing labor costs. Fewer pleats necessary, conforming to autoclave pressures

P/N 01-01080 ..... \$3.95/Lin.Yd.

**10 OZ. BREATHER/BLEEDER PLY** - #3100 is a 10 oz./sq. yd. nonwoven polyester breather system used for even volatile evacuation from vacuum bags. It can be used at pressures up to 200 PSI (13.8 bars). Multi-directional conformability makes it a very efficient breather. This breather does not contain any binders which could cause seal-off of air flow. Width: 60".

P/N 01-14815 ..... \$3.90/Lin.Yd.

**2 OZ. NYLON RELEASE PLY** - #5201 SRB is a smooth nylon fabric which has been scoured and heat set so that it is contaminate free and will not shrink during the laminate cure cycle. It is then coated with a special release blend. The peel ply may be used for composite manufacturing and metal bonding, but is not recommended for use with resin systems containing phenolic. Thickness: .005". Color: Blue. Width 60".

P/N 01-14820 ..... \$7.75/Lin.Yd.

**3 OZ. POLYESTER RELEASE PLY** - #5252SRB is a medium coarse weave polyester peel ply that leaves a surface with a rougher texture. It has been scoured and heat set to eliminate shrinkage during use and then coated with a special release blend. It can be used on all composite and metal bonding systems and is not affected by resin systems containing phenolic. #5252 provides protection of the laminate surface between primary & secondary processing. Thickness: .006". Color: Blue. Width: 60".

P/N 01-14825 ..... \$8.25/Lin.Yd.

**RELEASE FILM** - #2410 material is the most economical release film available that can be used at temperatures over 350° F. The film has handling qualities similar to the lowest priced halohydrocarbon film. Thickness: .002". Color: Clear. Width: 54".

P/N 01-14830 ..... \$4.95/Lin.Yd.

**POROUS TEFLON COATED RELEASE FILM** - #7025 is used where a medium weight porous release fabric is required on the surface of a part. During the cure of the assembly it will allow excess resin and all of the air and volatiles to pass into the bleed/breather ply (CFM Airflow 70). At completion of the cure the fabric will release cleanly from the assembly. Color: Brown. Width: 37.5". 10 yard min. order.

P/N 01-14835 ..... \$4.75/Lin.Yd.

**NON-POROUS TEFLON COATED RELEASE FABRIC** - #7039 is a light weight extra smooth TFE coated glass fabric. It will leave little or no fabric imprint on most composite lay-ups. It is used as a release fabric where there is no requirement for bleeding or breathing resin or volatiles from the composite lay-up. It is mainly used for protecting caul sheets from resin contamination and as a release media on tool surfaces. Thickness: .003". Color: Brown. Width: 37.5".

P/N 01-14840 ..... \$11.50/Lin.Yd.

**FLASH TAPE** - #6045-02 is a polyester backing film with a fully cured silicone adhesive. This tape is very tough and ideal for resin or adhesive flash removal. Color: Blue. Thickness: .002". Roll size: 1" wide x 72 yds.

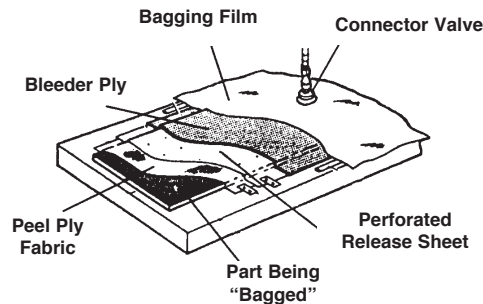
P/N 01-14845 ..... \$14.75/roll

**400° F RESISTANT SEALANT TAPE** - #4401 is a grey vacuum bag sealant tape that removes cleanly from the tool surface at the completion of the cure cycle. It can be used at any temperature up to 400° F. It can be used on any tool surface now in use and has been a standard of the industry for many years. It has high initial tack and is very easy to apply to prevent leaks between the bag and tool. It works well for composites, metalbond, or any function that requires temperature and/or pressure up to 400° F. Color: Grey. Size: 1/8" x 1/2" x 25 ft.

P/N 01-14850 ..... \$5.25/roll

**SEALANT TAPE ROLLER** - #9050 is a plastic roller designed to assist in applying sealant tape between the bag and the tool. It assists the operator in applying maximum pressure to make a leak-proof, smooth seal. The unit is lightweight and easy to use, and the plastic roller helps prevent damage to the film. Roller width: 1-3/16". Roller Diameter: 1-3/8".

P/N 01-14875 ..... \$19.50/ea.



**VACUUM VALVE - TWO PIECE** - #8112 is a two-piece vacuum valve which requires one quarter turn to lock in place. Service temperature to 500° F. This valve is an industry standard The base is anodized and is red in color. Inside Diameter: 1/4" standard. Threads: 1/4" NPT.

P/N 01-14855 ..... \$24.75/ea.

**OVEN VACUUM HOSE** - #8020 is a thick walled, flexible silicone hose. It is normally used for debulking and oven cures using vacuum only. Furnished in standard 10 foot lengths. Other lengths available on special order. Hose size: 1/4" ID.

P/N 01-14860 ..... \$109.95/ea.

**HIGH TEMPERATURE QUICK DISCONNECT SET** - #8432 is a two-piece quick disconnect both male and female for use to 500° F at pressures up to 200 psi (13.8 bars). Sold as a set of male & female components.

P/N 01-14865 ..... \$20.50/set

**SHRINK TAPE** - #9010 is an oriented polyester film designed to shrink as the laminate approaches cure temperature. The applied pressure is maintained during cure. It is used extensively where the shape of the assembly makes conventional bagging too labor-intensive. If excess resin needs to be released during cure, perforating the shrink tape after the assembly has been wrapped with a porcupine roller will reduce the resin content as well as permitting air and volatiles to escape. Thickness: .002". Width: 1-1/4", Roll length: 100 yds.

P/N 01-14870 ..... \$14.00/roll

**GREENFLOW 75** - Greenflow 75 is designed to efficiently distribute resin with little waste due to the low profile, tight construction. Greenflow 75 can be used with polyester vinyl ester and epoxy resins. Color: Green. Thickness: .035±.003 (.89mm±75µm). Melt Point (Method:DSC): 230°F (161°C). Configuration of Net: Rhombic

P/N 01-01081 ..... \$2.85/Lin. Yd.

**PORCUPINE ROLLER** - #9060 is a steel roller with a wood handle designed to perforate films to allow air, volatiles, and some resin to flow through the film. The amount of resin flow can be controlled by the depth of the pin penetration. Also useful on foam to give the bonding adhesive a better grip on the foam surface.

P/N 01-14880 ..... \$87.75/ea.

**VACUUM GAUGE** - a dial faced vacuum gauge capable of displaying vacuum from 0" to 30" Hg. It is 2" in diameter and can be used on the vacuum pump line, holding tank, or with a vacuum valve to determine vacuum in specific areas of a bagged assembly. Fitting size: 1/4" NPT.

P/N 01-14885 ..... \$12.95/ea.

**VACUUM PUMP** - Standard vacuum pump ideal for small shop vacuum bagging operations.

P/N 01-14891 ..... \$335.95/ea.

**VACUUM PUMP KIT** - Includes vacuum pump, gauge, valve, fittings, and hose.

P/N 01-00164 ..... \$391.95

**VACUUM RELIEF VALVE - BAGGING SUPPLIES STARTER KIT** - Includes 10 yards of Vacuum Bagging Film #7400, 10 yards of 4.5oz. Breather Bleeder #3, 1 roll 400° resistant Sealant Tape (25 yards/roll), 10 yards Dacron Fabric 1.8oz.x 60", & 10 yards 60" x .001 Perforated Release Sheet.

P/N 01-14894 ..... \$117.95

**PERFORATED RELEASE SHEETS** - 60" width, .001 thickness. Sold by the yard.

P/N 01-14895 ..... \$4.65/yd.

**ECONOMY VACUUM GENERATOR** - a low cost and reliable method of generating a vacuum for those who already own an air compressor. The generator will create 27" of Hg vacuum/pressure when coupled in-line to an air compressor capable of producing 2.2 cfm. Larger air compressors are advisable for continuous use applications. Suitable for parts up to 80 ft2.

P/N 12-11148 ..... \$168.75

**VACUUM FORMING MACHINE CONSTRUCTION PLANS** - Now only available on CD. You can take the disc to Kinko's and print the full set, or view it on your computer and print only what you need? 100 page illustrated assembly manual. About 30% of plans purchasers build a machine (based on oven kit sales), and almost no questions! Complete specifications are given for all parts. Easy to read construction manual uses a ring type binding so it lays flat and includes illustrations to make every step easy to understand. Here's what you get on disc: 106 page illustrated assembly manual with wiring diagrams in a ring binder. Separate parts lists, wood and steel cut lists and pump and tank sources. 3 full size cut-away drawings of an assembled machine 27 fully dimensioned assembly and parts drawings. 4 photo pages with 36 color pictures.

P/N 01-14896 ..... \$59.95