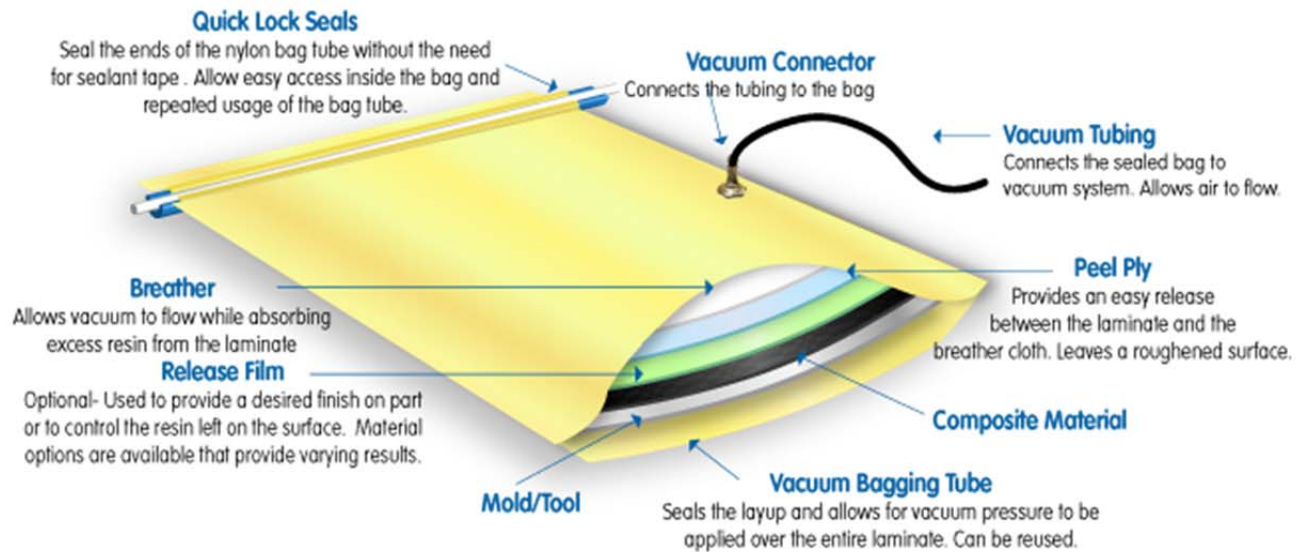


VACUUM BAGGING LAYUP with Vacuum Bag Tube and Quick Lock Seals

Vacuum bagging is widely used in the composites industry. It is a technique in which uniform pressure is applied to the surfaces of the object inside of a bag, holding parts together while the adhesive cures. There are various options for preparing an item to be vacuum bagged.

The following diagram shows a vacuum bagging layup that is used for low or room temperature cure resins and is ideal for flat surface lamination. The diagram is used for illustration purposes only and may not be an actual representation of a layup.



The Quick Lock Seals are a quick, convenient, innovative method of sealing the nylon bag tube without the need of a sealant tape. The tube can then be reused with no loss of material.

Different release materials can be used to provide a desired surface finish. The breather cloth and bag tube should be cut to extend over the edges of the part. For example, if the part is 2ft. x 4ft. the breather cloth should be 3ft. x 5ft allowing enough space for the vacuum connector to rest on the breather cloth. The bag tube should be at least 36in. x 10ft so that the bag tube lies flat at the point where the Quick Lock Seals clip together. Care should be taken that no materials are caught up in the Quick Lock Seals other than the bag tube.

The vacuum bag connector should not be placed directly on the part. This can cause a dent in the part and may suck up additional resin/material.