



Product	Country of origin
Structural Core	Italy Ecuador
Reinforcements	China Holland Hungary America Japan France
Polymers	France America Korea
<b>Vacuum Bagging Materials</b>	<b>America Italy China</b>
Demolding Agents	America Germany
Adhesives	America France
Equipment	France America Italy
Tools & Protections	America Japan

**[www.sino-composite.com](http://www.sino-composite.com)**

Add: 3D, No.5 Laiguangyingxilu, Chaoyang District, Beijing, P.R.China (100012)

Tel: 400-658-8900 +86-10-84908900

Fax: +86-10-84900900

Email: [sc@sino-composite.com](mailto:sc@sino-composite.com)



**VACUUM BAGGING MATERIALS**

It's not for the blowing of the air.

**Vacuum**

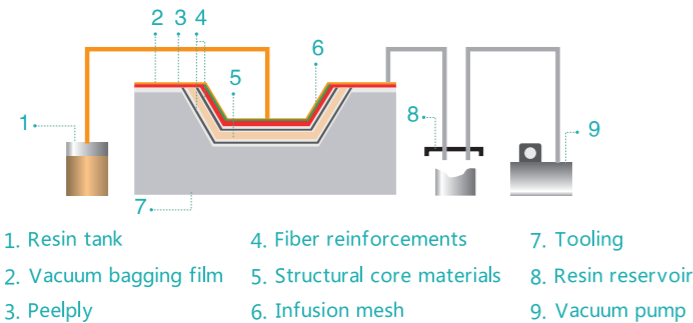


## Vacuum Bagging Technology

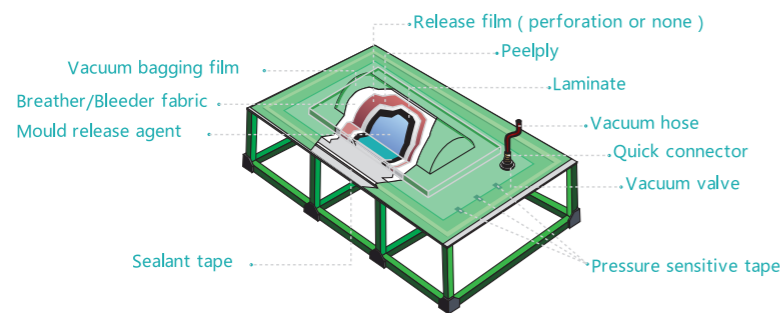
Vacuum Bagging is a technique that imposes vacuum pressure to the surface of the object between the mould tool and the vacuum bag to optimize the fiber-to-resin ratio of the product. Therefore, it can improve the mechanical performance of the product.

Usually, the vacuum bagging process can be classified as two types:

### Vacuum bagging for resin infusion



### Vacuum bagging for prepreg or wet lay-up



Product	Model	Thickness $\mu\text{m}$	Max Width m	Temperature $^{\circ}\text{C}$	Material	Feature
BAGGING FILM	CVF120	75	16	120	Nylon Polyester Extruded	Big width, Vacuum Infusion
	CVF150	65/75	8	150		Vacuum Infusion
	CVF170	50/65/75	8	170		
	CVF200	50/75	8	200	PA	
	CVF230	50/75	3	230	Modified PA	Autoclave
	CVF260	50/75	4.5	260		
	CVF426	50/75	1.5	426	PI	Extraordinarily high temperature system, Autoclave

Product	Model	Thickness $\mu\text{m}$	Max Width m	Temperature $^{\circ}\text{C}$	Material	Feature	Perforation
RELEASE FILM	CVR120	25	1.52	120	PE	Ambient Temperature	Multiple
	CVR150	50		150	PP	Intermediate Temperature	
	CVR230	20/25/30/50		230	ETFE		
	CVR260	20/25/30/50	260	FEP	Autoclave		
	CVR315	25/50	1.5	315	PTFE		

Product	Model	Weight $\text{g}/\text{m}^2$	Temperature $^{\circ}\text{C}$	Material	Feature
PEELPLY	CVP180	60-105	180	PE	Cost-effective
	CVP200	60-105	200	PA6	
	CVP220	60-105	230	PA66	High Temperature System
	CVP260	Multiple	260	Glass fiber coated with PTFE	
	CVAP150	160	150	Nylon and Membrane	Semi Permeable Fabric Supported Membrane

Product	Model	Specification thickness*width*length	Temperature $^{\circ}\text{C}$	Feature
SEALANT TAPE	CVS120	3mm*12mm*15m	120	Ambient Temperature
	CVS150	3mm*12mm*7.5m	150	
	CVS180	3mm*12mm*7.5m	180	Intermediate Temperature
	CVS210	3mm*12mm*7.5m	210	Medium-high Temperature
	CVS230	3mm*12mm*7.5m	230	High Temperature

Product	Model	Width m	Temperature $^{\circ}\text{C}$	Material	Feature
PRESSURER SENSITIVE TAPE	CVPS60	Customizable	60	Cloth tape coated on both sides	Temporary fixation at ambient temperature
	CVPS148		148		
	CVPS180		180	PET double sided tape	Temporary fixation at high temperature
	CVPS200		200	PET coated with silicone adhesive	
	CVPS260		260	Glass fiber coated with PTFE	
	CVPS315		315	PTFE	

Product	Model	Weight $\text{g}/\text{m}^2$	Width m	Temperature $^{\circ}\text{C}$	Material	Feature
BREATHER	CVB190	150/250/340	Customizable	190	PE	Cost-effective
	CVB200	140/237/339		200		
	CVB230	200/340/440		230	PA	High Performance
	CVB400	203		400	GF	Extraordinary high temperature, autoclave

Product	Model	Weight $\text{g}/\text{m}^2$	Width m	Temperature $^{\circ}\text{C}$	Material	Feature
INFUSION MESH	CVME	80-250	Customizable	120	PE	Extruded
	CVMW	135/160		100	PP/PE	Woven

Product	Specification	Temperature $^{\circ}\text{C}$	Feature	
TOOLS	CVT-Valve	1/4" threaded coupling	200-270	Aluminum/Stainless steel/Carbon steel
	CVT-Rapid Connection		200-287	Cast iron/Stainless steel/Carbon steel
	CVT-Hose	3/8" ID*1/4"NPT	232	Metal and silicon rubber case
			260-270	
	CVT-Vac	1/4" threaded coupling	-40-60	With silicon rubber case
	CVT-Rubber	1/16"*54"		Rubber
	CVT-Vacuum Pump System	100-600 $\text{m}^3/\text{hour}$		
	CVT-Resin Collector	10-15L		Cast iron/Stainless steel
	CVT-PE Tube / Spiral Tube / $\Omega$ Tube / Three Way Inlet / Resin Infusion Connector	Customizable	120	PE/PP/PA