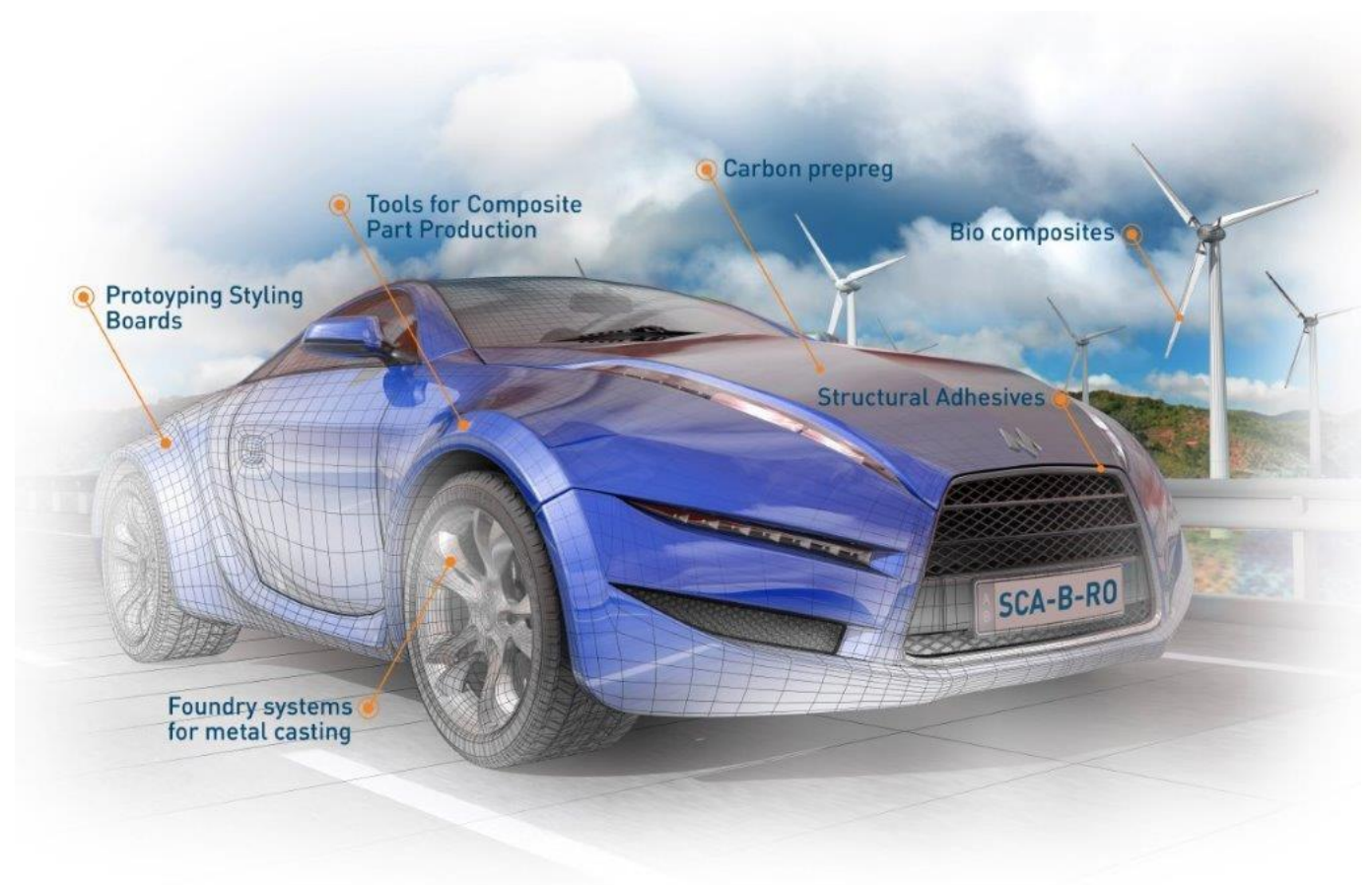


# TECHNICAL DATASHEET

## StretchVac 3000



MALLENBOUW | COMPOSITEN | LIJMEN

## STRETCH-VAC™ 3000

Vacuum bagging film, ideally suited to aerospace applications.

### Features and Benefits

- Multi-layer vacuum bagging film produced using our state of the art co-extrusion technology.
- Soft and supple with unprecedented tensile strength for added security.
- Suitable for high temperature autoclave curing of aerospace composites, including BMI resins.
- Unique formulation less sensitive to low humidity conditions than standard nylon films. SV 3000 is a mono-nylon film.

### PROPERTIES

	204°C	400°F
Maximum use temperature		
Color		Pink
Density	1.14 g/cm <sup>3</sup>	0.65oz/in <sup>3</sup>
DSC – medium	217°C	422.6°F
Tensile Strength at break (ASTM D882)	96.53 MPa	14,000 psi
Elongation at break (ASTM D882)		475%
Yield for 50µm (0.002")	17.4m <sup>2</sup> /kg	9.44 yd <sup>2</sup> /lb
Yield for 75µm (0.003")	11.6m <sup>2</sup> /kg	6.29yd <sup>2</sup> /lb

### AVAILABILITY

Thickness	50 and 75 µm	0.002 and 0.003 inches
Roll weight	Up to 45 kg	Up to 100lbs.
Widths	4.06m (open)	160 inches (open)
Formats available	Tube, sheet, V-sheet, gusseted and C-fold	

### STORAGE, HANDLING AND USE

Nylon based films are sensitive to humidity. A high humidity level will act as plasticizer, making the film more flexible and softer, while a low humidity level will cause the film to become stiffer.

To preserve the integrity of the materials when stored in their original packaging, it is advisable not to stack more than two pallets. Do not store rolls on their ends.

### STORAGE (RECOMMENDED)

Store the film in a relative humidity (RH) from 25% to 60% and a temperature range of 15 to 40°C (59 to 104°F). Avoid stocking in RH less than 25% and temperatures less than 10°C (50°F).

### USAGE (RECOMMENDED)

If possible use the film in a RH ranging from 50% to 60% and a temperature range of 20 to 25°C (68 to 77°F).

If possible condition the film before handling for 48 hours in the recommended RH and temperature ranges.

### HEALTH & SAFETY

Please refer to the product SDS for safe handling, personal protective equipment recommendations and disposal considerations.

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