



Breather & Absorption Fabrics

Tygavac offer a complete range of breather and absorption fabrics. Breather fabrics are used to ensure complete evacuation throughout the vacuum bag. They must have good drape and elongation characteristics to enable them to conform to complex shapes. These characteristics have been achieved by careful selection of fibre types and control of manufacturing processes to produce high performance and reliable products. Selection of the appropriate fabric is dependant upon operating temperatures and pressures and other factors which we would be pleased to discuss with you.

These fabrics can also be used for resin absorption when moulding resin rich pre-pregs. Resin absorption is generally achieved by the introduction of an additional layer of fabric, but in some instances, depending on the fabric type and amount of resin to be absorbed, both functions can be achieved by one layer of fabric. However in this instance care must be taken to ensure that the breathing characteristics are not impaired by absorbed resins.

Tygavac Product	Maximum use Temperature (°C)	Application	Standard Width (m)
NW 85	205	Lightweight used mainly for resin absorption	1.52
NW 125	205	Medium weight, breather / absorption fabric	1.52 0.76
RCB 140	190	Medium weight, low cost breather / absorption fabric	1.52
NW 153	205	Medium weight, breather / absorption fabric	1.52 0.76
NW 200N	232	Medium weight, high temperature, high pressure, breather / absorption fabric.	1.52 0.76
NW339 / FR	205	Heavyweight, high pressure (FR) breather / absorption fabric	1.52 0.76 (Not FR)
NW 339HA	205	Heavyweight, Ultra high pressure breather / absorption fabric	1.52 0.76
NW 340N	232	Heavy weight, high temperature, high pressure breather / absorption fabric	1.52
NW 678	205	Extra heavyweight, high pressure breather / absorption fabric	1.52

Fire retardant versions are available for several of the fabrics listed above. Wider widths available upon request.
Slit, roll and cut to shape service available.

All statements, technical information and recommendations contained in this publication are based on tests believed to be reliable, but their accuracy and/or completeness are not guaranteed. The user shall determine the suitability of the product for his particular purpose and shall assume all risk and liability in connection therewith. All products are sold subject to Tygavac Advanced Materials standard conditions of sale.

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