



STRETCH FILM TERMS

COMMON STRETCH FILM TERMS

Cast VS Blown - Blown is generally known to be higher puncture, louder and cloudier. Cast is quiet, clear and excellent gauge control. (Only sell blown when customer is currently using blown.)

Shrink Wrap VS Stretch - Many customers will say shrink wrap when they mean stretch film.

Oriented VS Pre-stretch – Film has been stretched usually on a converting machine. Film becomes very stiff and has great containment and light gauge (24 to 39 gauge)

Metallocene - Special resin that can improve the properties of the stretch film.

Multi-layer – More than one layer. (Under a microscope you can see distinct layers looking at the edge of the film).

Tensile Ultimate – The stress level (usually measured in pounds of force) where the film breaks

Elongation – How far in percent the film can stretch

Neckdown – How much the film reduces in width as you apply force to it

Pre-stretch – In applications where the film is applied by a machine, it is the amount film is mechanically elongated by a machine prior to being applied to the load. For hand applied film, it refers to films that were stretched heavily prior to being wrapped on the rolls.

Force-to-Load or “F2” – The amount of tension applied to the film between a power pre-stretch carriage on a wrapper and the load being wrapped.

STRETCH WRAPPER TERMS

Pre-Stretch Wrapper - Unit in which two (2) rollers are turning the film at different speeds

Tension - Film speed coming out of the pre-stretch unit with a constant turntable speed

Overlap - Amount of film overlapped on the pallet from one wrap to the next or the amount of film overlapping the top of the pallet

Turntable - Rotating platform pallet of product sits to be wrapped or a ringer keeps the pallet stationary

Roll Carriage / Pre-Stretch Unit - Unit with roll of film and pre-stretch rollers on it.

Control Panel - Adjustments are made to improve the load containment and reduce costs.

STRETCH PERFORMANCE TERMS

Load Containment - Resistance of the film to pull away from the pallet, relative to how well the stretch film will hold the load during transit

Cut & Weigh - Weight of film of fully wrapped pallet; cut off the pallet

Cling - How well a film sticks to itself on the pallet after being cut

Puncture Break - Break due to puncture from the pallet being wrapped

