

Data Sheet

SECURLON® L-500Y

Economical multi-layer vacuum bagging film

DESCRIPTION

Securlon® L-500Y vacuum bag is a wide multi-layer extruded film providing multiple layers of safety. These layers reduce the concerns for "pinholes", weak spots, brittleness and inconsistency in films. It is strong, has a high elongation and is suitable for cure temperature up to 171°C (340°F). Securlon® L-500Y is not recommended for autoclave applications.

BENEFITS

- Wide films save time and money spent seaming film for large parts.
- Wider films reduce risk of scrap parts due to leakage at seams.
- Reduce scrap risk due to vacuum loss with multi-layered vacuum security.

TECHNICAL DATA

		Test method
Material type	Nylon, multi-layer	
Elongation at break	380 %	ASTM D 882
Tensile strength	40 MPa (5800 psi)	ASTM D 882
Maximum use temperature	171°C (340°F)	
Flammability (self extinguishing)	No	ATP-5034
Materials to avoid	Phenolic resins/Strong oxidizers	
Colour	Yellow	
Storage	Recommended Storage temperature is 5°C to 40°C (41°F to 104°F) at no less than 25% relative humidity. Store indoors in original packaging, do not stack rolls on end.	
Usage	Optimal usage conditions are in a Relative Humidity range from 50% to 60%rh. Nylon based vacuum bag films are sensitive to humidity, remaining soft at higher %rh and at risk of become stiffer in low %rh, see "Hydrate bagging films" TDS.	

SIZES

Thickness	Width	Forms Available*
50 µm (0.002 inch)	up to 8.00 m (315 inches)	SHT (Folded), CF, LFT, GT, G
63.5 µm (0.0025 inch)	up to 8.00 m (315 inches)	SHT (Folded), CF, LFT, GT, G
75 µm (0.003 inch)	up to 7.62 m (300 inches)	SHT (Folded), CF, LFT, GT, G

- For more sizes, see the *Sizes* chart in this section.
- Custom shapes and sizes are available, please contact Airtech for more information.
- Form availability varies by size. Folded Centerfold (F-CF) format may be used on some sizes.



SUSTAINABILITY



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.
- Watch a video of Wide Films in the "Media Center" on our website.

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