

# 518 or HS8171 Vacuum bagging film



Tel: +44 (0) 1274 550500  
Fax: +44 (0) 1274 550501  
Email: [sales@aerovac.com](mailto:sales@aerovac.com)  
Website: [www.aerovac.com](http://www.aerovac.com)

- A clear green heat stabilised, blown nylon 6 film.
- Excellent tensile strength and heat ageing properties, having been successfully used at pressures of 7 bar (100 psi) and temperatures of up to 205°C for several hours.
- Approved on various aerospace specifications.

## PHYSICAL PROPERTIES

- |   |  |
|---|--|
| • Maximum use temperature               | 205°C  |
| • Colour                                | Clear green  |
| • Tensile strength at break (ASTM D882) | 112MPa   |
| • Elongation at break (ASTM D882)       | 375%   |
| • Yield                                 | 17.40m <sup>2</sup> /kg (50μ)<br>11.60m <sup>2</sup> /kg (75μ) |

## AVAILABILITY & PACKAGING

- |                     |   |
|---------------------|---|
| • Thicknesses       | 50μ, 75μ  |
| • Roll weight       | 45kg  |
| • Widths            | A comprehensive range of widths is available up to 4.06m (open) |
| • Formats available | Tube, sheet, V-sheet  |

## STORAGE & HANDLING

- 518/HS8171 is a hydrophilic material. Moisture and water act as plasticisers. The level of moisture content at time of use is therefore an important factor for successful performance.
- All nylon films absorb water. The higher the moisture content the more flexible they become. Conversely at lower moisture levels flexibility is limited.
- Do not store rolls vertically on their ends.
- Handling of these products must conform to individual company guidelines and health and safety regulations.

Aerovac Systems Ltd <a href="http://www.aerovac.com">www.aerovac.com</a>	Aerovac Systems Italy S.r.l <a href="http://www.aerovac.it">www.aerovac.it</a>	Aerovac Systèmes France <a href="http://www.aerovac.fr">www.aerovac.fr</a>	Richmond Aircraft Products <a href="http://www.richmondaircraft.com">www.richmondaircraft.com</a>
---	---	---	--

Aerovac Systems Ltd.

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 for this particular purpose and shall assume all risk and liability in connection herewith. All values stated are nominal. For further details about tolerances please contact Aerovac Systems quality department.

Revised: February 2010