



## NBF 225C Cast nylon film for 225°C cures

**Tygavac Bagging film NBF 225C** is a cast nylon 6/66 film which has been specially developed for vacuum bagging applications requiring extended cure cycle temperatures up to 225°C. The film has been formulated to provide enhanced conformability at ambient temperature, enabling it to conform to complex shapes, minimising bridging problems. Bag failures due to pinholes are eliminated as a result of a film free of surface gels.

Since this film is caprolactam free, it also results in a significantly longer life for autoclave seals. NBF 225C is recommended for phenolic resins.

### Storage

The properties of nylon films are affected by moisture content, water acting as a plasticiser. High moisture content ensures a film of high elongation. To maintain the high performance characteristics, keep well wrapped to prevent moisture loss and preferably store in a humid environment, ie 20°C, 65% RH.

### Typical Properties

|   |  |
|---|--|
| Maximum recommended operating temperature | 225°C  |
| Tensile strength (conditioned)            | 79 MPa   |
| Maximum elongation (conditioned)          | 400%   |
| Flammability                              | Self extinguishing   |
| Crystalline melting point                 | 265°C  |
| Approximate yield                         | 17.5m <sup>2</sup> /Kg<br>0.050mm thickness<br>11.7m <sup>2</sup> /Kg<br>0.075mm thickness |
| Colour                                    | Clear  |
| Shelf Life                                | 18 months providing correct storage conditions applied                                     |

### Availability

| Tygavac Bagging Film | Nominal Thickness (mm) | Width (m) | Nominal Roll Length (m) | Nominal Roll Weight (Kg) |
|----------------------|------------------------|-----------|-------------------------|--------------------------|
| NBF 225C             | 0.050                  | 2.23      | 305                     | 39.0                     |
|                      | 0.075                  | 2.23      | 305                     | 58.3                     |

Alternative widths and gauges available. Please specify your requirements.

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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