



## NBF 205C Cast nylon film for cures up to 205°C

**Tygavac Bagging Film NBF 205C** is a cast nylon 6 film which has been specially developed for vacuum bagging applications at cure temperatures of 205°C. The film resists degradation at elevated temperatures, retaining its essential physical properties. Elongation properties of this film are excellent, which enables it to conform closely to complex shapes, minimising bridging problems. The film is tough, making it very resistant to puncturing, and therefore, bag failures are minimised. NBF 205C also offers exceptionally low residual caprolactam content.

### 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.

### Availability

Tygavac Bagging Film	Nominal Thickness (mm)	Width (m)	Nominal Roll Length (m)	Nominal Roll Weight (Kg)
NBF 205C	0.050	1.80	400	41
	0.050	2.20	400	50
	0.050	3.05	200	35
	0.075	1.80	400	61

Alternative widths and gauges available. Please specify your requirements.  
Material can be heat sealed to produce wider product

### Typical Properties

Maximum operating temperature	205°C
Tensile strength (conditioned)	45-65 MPa
Maximum elongation (conditioned)	400%
Flammability	Self extinguishing
Crystalline melting point	220°C
Approximate yield	17.56m <sup>2</sup> /Kg 0.050mm thickness 11.80m <sup>2</sup> /Kg 0.075mm thickness
Colour	Clear
Residual caprolactam content	< 0.16%
Shelf Life	18 months providing correct storage conditions applied

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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