

NYLON SOLUTIONS

# Elastomax™ 1000 Pink Tinted, Heat-stabilized Blown Film

## Description

**Elastomax™ 1000** is a pink tinted, high elongation, heat-stabilized blown film produced from modified polyamide resin. It is recommended as a bagging film for advanced composite fabrication where flexibility under adverse atmospheric conditions is essential. It requires fewer pleats than conventional bagging films and has better flex crack resistance. Elastomax™ 1000 film is available in sheet, tube and V-sheet in widths ranging from 48" to 80".

Product Specifications		
Thickness (ASTM D-6988)		Yield (calculated)
Average	Single Point Minimum	
2.00 mils (50.8 microns) -15 / +14%	1.60 mils (40.6 microns)	11,695 in <sup>2</sup> /lb (16.6 m <sup>2</sup> /kg) ± 12%

Properties @ 73°F (22.7°C), 50% RH	Typical Values		Test Method
	English	Metric	
Tensile Strength @ Break	13,000 psi	90 MPa	ASTM D-882
Elongation @ Break	400%		ASTM D-882
Modulus, Secant	65,000 psi	448 MPa	ASTM D-882
Melting Temperature (T <sub>m</sub> )	412°F	211°C	DSC
Maximum Recommended Use Temperature <sup>1</sup>	392°F	200°C	–

<sup>1</sup>The maximum recommended use temperature is a function of the duration at maximum temperature and is process specific.

**Elastomax™ 1000**, like all nylon films, is a hydrophilic or water-sensitive material. Moisture and water act as plasticizers. The higher the moisture content of the film, the more flexible it becomes. The lower the plasticizer content, the stiffer it becomes. The level of moisture content at time of use is an important factor for successful performance.

The values presented in this data sheet are typical values and are not to be interpreted as product specifications.

### Contact AdvanSix

To learn more about the benefits of Elastomax™ films, visit [AdvanSix.com/NylonSolutions](http://AdvanSix.com/NylonSolutions) or call: **1-844-890-8949** (toll free, U.S./Can.) **+1-973-526-1800** (international)

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May 2018-4, Printed in U.S.A.  
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