



## Technical Information and Typical Properties

### MPB Secure Blown Machine Film

#### 1.20 mil

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#### Product Description

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Sigma Secure Blown machine film combines extraordinary load-holding force with exceptional tear resistance to create a film which excels in containing heavy B and C loads. The films aggressive cling package promotes bonding between layers, eliminating tails.

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#### General

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Applications      •Brick & Block•Warehouse•Irregular Loads•Transportation Industry•Food  
 Distribution•Bagged Products•Boxed Products•All Applications

Revision Date      6/22/2015      Available in widths from 20" & 30"

Film Properties	Typical Value		Test Method
	(English)	Tolerance	
Tensile Strength at Yield MD	1600 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1500psi	± 15%	ASTM D882
Tensile Strength at Break MD	6800psi	± 15%	ASTM D882
Tensile Strength at Break TD	4900psi	± 15%	ASTM D882
Elongation at Break MD	600%	± 15%	ASTM D882
Elongation at Break TD	800%	± 15%	ASTM D882
Protrusion Puncture	11.7 lbs	± 15%	ASTM D5748
Protrusion Puncture Energy	30.0 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	150 g/mil	± 15%	ASTM D1922
Elmendorf Tear Strength TD	750 g/mil	± 15%	ASTM D1922
Cling - Outside to Inside @ 225%	min 150 g/in	± 15%	ASTM D5458

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Dimensions	Value	Tolerance
Core ID	3.05 inches	± 0.05 in
Film Thickness	30.5 micron	

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Manufactured with pride in the USA and Canada by

#### **Sigma Stretch Film**

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