



## Technical Information and Typical Properties

### MPB Secure Blown Machine Film

**.90 mil**

---

#### Product Description

---

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.

---

#### General

---

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	1700psi	± 15%	ASTM D882
Tensile Strength at Break MD	6900psi	± 15%	ASTM D882
Tensile Strength at Break TD	4900psi	± 15%	ASTM D882
Elongation at Break MD	550%	± 15%	ASTM D882
Elongation at Break TD	750%	± 15%	ASTM D882
Protrusion Puncture	9.5 lbs	± 15%	ASTM D5748
Protrusion Puncture Energy	20.0 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

---

Dimensions	Value	Tolerance
Core ID	3.05 inches	± 0.05 in
Film Thickness	23 micron	

---

Manufactured with pride in the USA and Canada by

**Sigma Stretch Film**

Page & Schuyler Aves. Bldg #8

Phone: 800-672-9727 • 201-507-9100

Email: stretch.info@sigmaplastics.com

Visit our website at [www.sigmastretchfilm.com](http://www.sigmastretchfilm.com)

©Copyright 2018 Sigma Stretch Film