



## Technical Information and Typical Properties

### MAA Black Machine Film

**.80 mil**

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#### Product Description

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Sigma Black 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	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	500%	± 15%	ASTM D882
Elongation at Break TD	700%	± 15%	ASTM D882
Protrusion Puncture	9.1 lbs	± 15%	ASTM D5748
Protrusion Puncture Energy	19.2 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	140 g/mil	± 15%	ASTM D1922
Elmendorf Tear Strength TD	700 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	20.3 micron	

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Manufactured with pride in the USA and Canada by

**Sigma Stretch Film**

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