



## Technical Information and Typical Properties

### MBI One Side-Cling Machine Film with UVI 1.05 mil

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#### Product Description

MBI is Sigmas ultra-premium, one-sided cling cast film with UVI additive designed for high speed/high volume applications where outdoor storage is a critical component of the application. MBI is a true one-sided cling film allowing pallets to touch during storage without any damages to the the package when seperated.

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#### General

Applications                      • High Volume                      • High speed wrapping                      • One-side cling required  
 Revision Date                      6/22/2015                      Available in 20 and 30 inch widths

Film Properties	Typical Value		Test Method
	(English)	Tolerance	
Tensile Strength at Yield MD	1250 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1150 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6500psi	± 15%	ASTM D882
Tensile Strength at Break TD	3800psi	± 15%	ASTM D882
Elongation at Break MD	540%	± 15%	ASTM D882
Elongation at Break TD	640%	± 15%	ASTM D882
Protrusion Puncture	14.5 lbs	± 15%	ASTM D5748
Protrusion Puncture Energy	32.6 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	290 g/mil	± 15%	ASTM D1922
Elmendorf Tear Strength TD	590 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	26.7 micron	

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Manufactured with pride in the USA and Canada by

#### **Sigma Stretch Film**

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