



## Technical Information and Typical Properties

### MEV One Side-Cling Cast Machine Film 0.47 mil




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#### Product Description

Evolve is a brand new formulation, made with proprietary resin blends on state of the art extrusion equipment. This all purpose film is a highly engineered, one side cling, cast super film. It's the first of it's kind in North America. Evolve is manufactured on equipment that produces perfect roll edges and tight gauge tolerances, making it perfect for today's high speed wrapping equipment.

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#### General

Applications                      •High volume      • High speed wrapping      •One side-cling required  
Revision Date                      3/8/2018              Available in 500 and 750 mm widths

Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	N/A	N/A	N/A
Tensile Strength at Yield TD	1350 psi	± 15%	ASTM D882
Tensile Strength at Break MD	4500 psi	± 15%	ASTM D882
Tensile Strength at Break TD	4350 psi	± 15%	ASTM D882
Elongation at Break MD	370%	± 15%	ASTM D882
Elongation at Break TD	575%	± 15%	ASTM D882
Protrusion Puncture	3.0 lbs	± 15%	ASTM D5748
Protrusion Puncture Energy	11.4 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	650 g/mil	± 15%	ASTM D1922
Elmendorf Tear Strength TD	970 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	12.0 micron	

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Manufactured with pride in the USA and Canada by

#### **Sigma Stretch Film**

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