

# MEV ONE-SIDED CLING CAST MACHINE FILM

## .47 mil

### Product Description

Evolve is Sigma's highest performance one-sided cling cast machine film designed for high-speed, challenging applications. Polypropylene enhanced formulation engineered to minimize tears and puncture propagation. One-sided cling allows side-by-side storage without pallet-to-pallet adhesion, preventing pallets from adhering together during storage and transportation. Evolve has perfect roll edge profiles and gauge consistency. Available in 500mm and 750mm widths.

### Applications

High volume  
 High-speed wrapping  
 One-sided cling required  
 Inboard loads



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 1922
Elmendorf Tear Strength TD	970 g/mil	± 15%	ASTM 1922
Cling - Outside to Inside @ 225%	min 150 g/in	± 15%	ASTM D5458

Dimensions	Value	Tolerance
Core ID	3.05 inches	± 0.05%
Film Thickness	12.0 micron	

**Manufactured with pride in the USA and Canada by  
 Sigma Stretch Film**

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