



## Technical Information and Typical Properties

### MSA One Side Cling Cast Machine Film .80 mil

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#### Product Description

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#### General

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Film Properties	Typical Value (English)	Tolerance	Typical Value (SI)	Tolerance	Test Method
Tensile Strength at Yield MD	2040psi	± 15%	14.1 mPa	± 15%	ASTM D882
Tensile Strength at Yield TD	1850psi	± 15%	12.8 mPa	± 15%	ASTM D882
Tensile Strength at Break MD	7620psi	± 15%	52.5 mPa	± 15%	ASTM D882
Tensile Strength at Break TD	4860psi	± 15%	33.5 mPa	± 15%	ASTM D882
Elongation at Break MD	540%	± 15%	540%	± 15%	ASTM D882
Elongation at Break TD	605%	± 15%	605%	± 15%	ASTM D882
Protrusion Puncture	6.6 lbs	± 15%	2.99 kg	± 15%	ASTM D5748
Protrusion Puncture Energy	17.0 in-lb	± 15%	1.92 N-m	± 15%	ASTM D5748
Elmendorf Tear Strength MD	330 g/mil	± 15%	13 g/micron	± 15%	ASTM D1922
Elmendorf Tear Strength TD	530 g/mil	± 15%	20.9 g/micron	± 15%	ASTM D1922
Cling - Outside to Inside @ 100%	min 150 g/in	± 15%	min 59.1 g/cm	± 15%	ASTM D5458

Dimensions	Value	Tolerance	Value (SI)	Tolerance
Core ID	3.05 inches	± 0.05 in	76.2 mm	± 1.3 mm
Film Thickness	20.3 micron			

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#### **Sigma Stretch Film**

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