



## Technical Information and Typical Properties

### Prestretched Hand Film

**.29 mil**

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#### Product Description

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Sigma Prestretched Hand Film is engineered to outperform all competitive prestretched hand films on the market. Its reinforced edges provide unrivaled load-holding force and tear resistance, while its superior puncture resistance allows it to hold corners better on C loads.

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#### General

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Applications

Cold environments;Grocery warehouse;Internal wrapping;Boxed products;Food processing;All load profiles

Revision Date      4/20/2016      Available in widths from 13"-18"

Film Properties	Typical Value		Test Method
	(English)	Tolerance	
Tensile Strength at Yield MD	No Yield	± 15%	ASTM D882
Tensile Strength at Yield TD	1000psi	± 15%	ASTM D882
Tensile Strength at Break MD	16000psi	± 15%	ASTM D882
Tensile Strength at Break TD	3300psi	± 15%	ASTM D882
Elongation at Break MD	150%	± 15%	ASTM D882
Elongation at Break TD	730%	± 15%	ASTM D882
Protrusion Puncture	4.7 lbs	± 15%	ASTM D5748
Protrusion Puncture Energy	12.1 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	140 g/mil	± 15%	ASTM D1922
Elmendorf Tear Strength TD	980 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	7.4 micron	

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