



Technical Information and Typical Properties

Prestretched Hand Film

.29 mil

Product Description

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.

General

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

Dimensions	Value	Tolerance
Core ID	3.05 inches	± 0.05 in
Film Thickness	7.4 micron	

Manufactured with pride in the USA and Canada by

Sigma Stretch Film

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