



Technical Information and Typical Properties

ECOSUPREME Prestretched Hand Film .39 mil



Product Description

ECOSUPREME is Sigma’s premium grade, pre-stretched hand film made with a proprietary orientation process that produces stronger films, at thinner gauges. Engineered with Dynamic Tension, ECOSUPREME will actually increase in containment force after wrapping to get more of your valuable products to their destination, in as-made condition. Core extensions and ultra lightweight rolls make ECOSUPREME easy to handle and reduces operator fatigue. Engineered to outperform all competitive hand films, ECOSUPREME has reinforced edges that provide unrivaled load-holding force and tear resistance with cling that makes it ideal in all environments including cold temperatures and dusty facilities.

General

Applications	Toughness required	Hand wrapping	High volume picking applications ☑
Revision Date	6/22/2015	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	13500psi	± 15%	ASTM D882
Tensile Strength at Break TD	4200psi	± 15%	ASTM D882
Elongation at Break MD	190%	± 15%	ASTM D882
Elongation at Break TD	730%	± 15%	ASTM D882
Protrusion Puncture	5.3 lbs	± 15%	ASTM D5748
Protrusion Puncture Energy	14.4 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	10 micron	

Manufactured with pride in the USA and Canada by

Sigma Stretch Film

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