



Technical Information and Typical Properties

ECOSUPREME 4 Prestretched Hand Film 0.24 mil



Product Description

ECOSUPREME 4 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 4 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 4 easy to handle and reduces operator fatigue. Engineered to outperform all competitive hand films, ECOSUPREME 4 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

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

Revision Date 3/1/2018 Available in widths from 13"-18"

Film Properties	Typical Value		
	(English)	Tolerance	Test Method
Tensile Strength at Yield MD	No Yield	± 15%	ASTM D882
Tensile Strength at Yield TD	1560psi	± 15%	ASTM D882
Tensile Strength at Break MD	18000psi	± 15%	ASTM D882
Tensile Strength at Break TD	3280psi	± 15%	ASTM D882
Elongation at Break MD	80%	± 15%	ASTM D882
Elongation at Break TD	704%	± 15%	ASTM D882
Protrusion Puncture	4.48 lbs	± 15%	ASTM D5748
Protrusion Puncture Energy	9.26 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	6.1 micron	

Manufactured with pride in the USA and Canada by

Sigma Stretch Film

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