



Technical Information and Typical Properties

MES One-Side Cling Machine Film

.49 mil

Product Description

MES is Sigmas thinnest Ultra Performance One Side Cling Cast Film. Ideal for lighter pallets that do not require excessive containment force. Due to its outstanding machineability, MES is ideal for high speed automated wrapping systems, but versatile enough to use in any light pallet application.

General

Applications • Light Pallet • High speed wrapping • One-side cling required
 Revision Date 6/22/2015 Available in 20 and 30 inch widths

Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1450 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1350psi	± 15%	ASTM D882
Tensile Strength at Break MD	7200psi	± 15%	ASTM D882
Tensile Strength at Break TD	4500psi	± 15%	ASTM D882
Elongation at Break MD	380%	± 15%	ASTM D882
Elongation at Break TD	550%	± 15%	ASTM D882
Protrusion Puncture	9.5 lbs	± 15%	ASTM D5748
Protrusion Puncture Energy	14.7 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	275 g/mil	± 15%	ASTM D1922
Elmendorf Tear Strength TD	750 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	12.5 micron	

Manufactured with pride in the USA and Canada by

Sigma Stretch Film

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