



Technical Information and Typical Properties **SUSTAIN360**

MEP PCR One Side-Cling Cast Machine Film

1.00 mil

Product Description

Sigma Sustain360 machine film is a brand new formulation, made with proprietary resin blends, on state of the art extrusion equipment and incorporating 30% PCR. This all purpose film is a highly engineered, one side cling, cast film that utilizes 30% post-consumer recycled material and is optimized for use at 200-250% stretch to accomodate most machine applications. It's the first of it's kind in North America and is manufactured on equipment that produces perfect roll edges and tight gauge tolerances, making it perfect for today's high speed wrapping equipment.

General

Applications •High volume • High speed wrapping •One side-cling required
Revision Date 9/20/2024 Available in 500 and 750 mm widths

Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	N/A	N/A	N/A
Tensile Strength at Yield TD	2400 psi	± 15%	ASTM D882
Tensile Strength at Break MD	3350 psi	± 15%	ASTM D882
Tensile Strength at Break TD	4600 psi	± 15%	ASTM D882
Elongation at Break MD	540%	± 15%	ASTM D882
Elongation at Break TD	640%	± 15%	ASTM D882
Protrusion Puncture	6.5 lbs	± 15%	ASTM D5748
Protrusion Puncture Energy	17.1 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	560 g/mil	± 15%	ASTM D1922
Elmendorf Tear Strength TD	840 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	25.4 micron	

Manufactured with pride in the USA and Canada by

Sigma Stretch Film

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