



Technical Information and Typical Properties

HSP70series PCR Cast Hand Film **SUSTAIN360** One Sided Cling Cast Hand Film

Product Description

Sigma Sustain360 is a stiff, engineered, ultra-premium cast hand film with 30% PCR. It has one sided cling, high puncture resistance, and exceptional toughness. With light rolls and easy unwind, this film is designed with user comfort in mind.

General

Applications •Grocery •High volume distribution •General wrapping
Revision Date 11/15/2023 Available in 310mm and 400mm widths

Film Properties	Typical Value (English)	Tolerance	Typical Value (SI)	Tolerance	Test Method
Tensile Strength at Yield MD	No Yield	--	No Yield	--	ASTM D882
Tensile Strength at Yield TD	1440psi	± 15%	9.9 mPa	± 15%	ASTM D882
Tensile Strength at Break MD	6100psi	± 15%	42.1 mPa	± 15%	ASTM D882
Tensile Strength at Break TD	4600psi	± 15%	31.7 mPa	± 15%	ASTM D882
Elongation at Break MD	310%	± 15%	310%	± 15%	ASTM D882
Elongation at Break TD	540%	± 15%	540%	± 15%	ASTM D882
Protrusion Puncture	7.2 lbs	± 15%	3.3 kg	± 15%	ASTM D5748
Protrusion Puncture Energy	25.5 in-lb	± 15%	2.9 N-m	± 15%	ASTM D5748
Elmendorf Tear Strength MD	230 g/mil	± 15%	9.1 g/micron	± 15%	ASTM D1922
Elmendorf Tear Strength TD	650 g/mil	± 15%	25.6 g/micron	± 15%	ASTM D1922
Cling - Outside to Inside @ 100%	min 130 g/in	± 15%	min 51 g/cm	± 15%	ASTM D5458

Dimensions	Value	Tolerance	Value (SI)	Tolerance
Core ID	3.05 inches	± 0.05 in	76.2 mm	± 1.3 mm
Film Thickness	11.9 micron			

Manufactured with pride in the USA and Canada by

Sigma Stretch Film

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