



Technical Information and Typical Properties

HVB One Side Cling Bio-assimilation Cast Hand Film

52G



Product Description

Sigma Vanish is Sigma's revolutionary high performance one-side cling cast film "Powered by Smart Plastic Technology's Eclipse Bio-assimilation Technology." Designed to completely bio-assimilate back into nature without any plastic microparticles or toxins, in aquatic and terrestrial environments. Also suitable for recycling.

General

Applications: •Grocery •High volume distribution ☑General wrapping
Revision Date: 2021-06-15

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	315%	± 15%	315%	± 15%	ASTM D882
Elongation at Break TD	540%	± 15%	540%	± 15%	ASTM D882
Protrusion Puncture	7.8 lbs	± 15%	3.5 kg	± 15%	ASTM D5748
Protrusion Puncture Energy	28.2 in-lb	± 15%	3.2 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	52 Gauge			

Manufactured with pride in the USA and Canada by

Sigma Stretch Film

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