



Technical Information and Typical Properties

MVA One Side Cling Bio-assimilation Cast Machine Film

49G



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 microplastics or toxins, in aquatic and terrestrial environments. Also suitable for recycling.

General

Applications: • Light Pallet • High speed wrapping • One-side cling required
 Revision Date: 2021-06-15 Available in 500mm and 750mm widths

Film Properties	Typical Value		Test Method
	(English)	Tolerance	
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	49 Gauge	

Manufactured with pride in the USA and Canada by

Sigma Stretch Film

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