

# MVT VORTEX ONE-SIDED CLING BLOWN MACHINE FILM

## 1.20 mil

### Product Description

Sigma Vortex is a high durability multi-layer one-sided cling blown machine Stiff formula combined with strong puncture resistance make it ideal for securing heavy, tough to secure A, B and C type loads. Ideal for high-speed applications.

### Applications

Bagged products  
 Ringer applications  
 Brick and block

High containment  
 Inboard loads  
 Bottled liquids



Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	2000 psi	N/A	N/A
Tensile Strength at Yield TD	1600 psi	± 15%	ASTM D882
Tensile Strength at Break MD	5200 psi	± 15%	ASTM D882
Tensile Strength at Break TD	5600 psi	± 15%	ASTM D882
Elongation at Break MD	500%	± 15%	ASTM D882
Elongation at Break TD	600%	± 15%	ASTM D882
Protrusion Puncture	12.5 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	33.4 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	320 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	660 g/mil	± 15%	ASTM 1922
Cling - Outside to Inside @ 225%	min 150 g/in	± 15%	ASTM D5458

Dimensions	Value	Tolerance	Value (SI)	Tolerance
Core ID	3.05 inches	± 0.05%	76.2 mm	± 1.3 mm
Film Thickness	1.2 mil		38.1 micron	

**Manufactured with pride in the USA and Canada by  
 Sigma Stretch Film**

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