



Technical Information and Typical Properties

MSA One Side Cling Cast Machine Film .70 mil

Product Description

General

Film Properties	Typical Value (English)	Tolerance	Typical Value (SI)	Tolerance	Test Method
Tensile Strength at Yield MD	1840psi	± 15%	12.7 mPa	± 15%	ASTM D882
Tensile Strength at Yield TD	1700psi	± 15%	11.7 mPa	± 15%	ASTM D882
Tensile Strength at Break MD	6960psi	± 15%	48.0 mPa	± 15%	ASTM D882
Tensile Strength at Break TD	4730psi	± 15%	32.6 mPa	± 15%	ASTM D882
Elongation at Break MD	510%	± 15%	510%	± 15%	ASTM D882
Elongation at Break TD	590%	± 15%	590%	± 15%	ASTM D882
Protrusion Puncture	6.0 lbs	± 15%	2.72 kg	± 15%	ASTM D5748
Protrusion Puncture Energy	15.6 in-lb	± 15%	1.76 N-m	± 15%	ASTM D5748
Elmendorf Tear Strength MD	330 g/mil	± 15%	13 g/micron	± 15%	ASTM D1922
Elmendorf Tear Strength TD	530 g/mil	± 15%	20.9 g/micron	± 15%	ASTM D1922
Cling - Outside to Inside @ 100%	min 150 g/in	± 15%	min 59.1 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	17.8 micron			

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