

MBI ONE SIDE-CLING MACHINE FILM WITH UVI .80 mil

Product Description

MBI is Sigma's ultra-premium, one-sided cling cast film with UVI additive designed for high speed/high volume applications where outdoor storage is a critical component of the application. MBI is a true one-sided cling film allowing pallets to touch during storage without any damages to the package when separated. Available in 20 and 30 inch widths.

Applications

High volume
High speed wrapping
One-sided cling required

Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1275 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1175 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6600 psi	± 15%	ASTM D882
Tensile Strength at Break TD	3900 psi	± 15%	ASTM D882
Elongation at Break MD	505%	± 15%	ASTM D882
Elongation at Break TD	635%	± 15%	ASTM D882
Protrusion Puncture	12.6 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	29.0 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	295 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	595 g/mil	± 15%	ASTM 1922
Cling - Outside to Inside @ 225%	min 150 g/in	± 15%	ASTM D5458

Dimensions	Value	Tolerance
Core ID	3.05 inches	± 0.05%
Film Thickness	24.1 micron	

MBI ONE SIDE-CLING MACHINE FILM WITH UVI

.90 mil

Product Description

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Applications

High volume
 High speed wrapping
 One-sided cling required

Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1250 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1150 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6500 psi	± 15%	ASTM D882
Tensile Strength at Break TD	3800 psi	± 15%	ASTM D882
Elongation at Break MD	460%	± 15%	ASTM D882
Elongation at Break TD	600%	± 15%	ASTM D882
Protrusion Puncture	12.0 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	24.8 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	290 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	590 g/mil	± 15%	ASTM 1922
Cling - Outside to Inside @ 225%	min 150 g/in	± 15%	ASTM D5458

Dimensions	Value	Tolerance
Core ID	3.05 inches	± 0.05%
Film Thickness	20.3 micron	

MBI ONE SIDE-CLING MACHINE FILM WITH UVI 1.00 mil

Product Description

MBI is Sigma's ultra-premium, one-sided cling cast film with UVI additive designed for high speed/high volume applications where outdoor storage is a critical component of the application. MBI is a true one-sided cling film allowing pallets to touch during storage without any damages to the package when separated. Available in 20 and 30 inch widths.

Applications

High volume
High speed wrapping
One-sided cling required

Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1250 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1150 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6500 psi	± 15%	ASTM D882
Tensile Strength at Break TD	3800 psi	± 15%	ASTM D882
Elongation at Break MD	530%	± 15%	ASTM D882
Elongation at Break TD	640%	± 15%	ASTM D882
Protrusion Puncture	14.0 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	31.0 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	290 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	590 g/mil	± 15%	ASTM 1922
Cling - Outside to Inside @ 225%	min 150 g/in	± 15%	ASTM D5458

Dimensions	Value	Tolerance
Core ID	3.05 inches	± 0.05%
Film Thickness	25.4 micron	

MBI ONE SIDE-CLING MACHINE FILM WITH UVI 1.05 mil

Product Description

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Applications

High volume
High speed wrapping
One-sided cling required

Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1250 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1150 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6500 psi	± 15%	ASTM D882
Tensile Strength at Break TD	3800 psi	± 15%	ASTM D882
Elongation at Break MD	540%	± 15%	ASTM D882
Elongation at Break TD	640%	± 15%	ASTM D882
Protrusion Puncture	14.0 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	32.6 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	290 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	590 g/mil	± 15%	ASTM 1922
Cling - Outside to Inside @ 225%	min 150 g/in	± 15%	ASTM D5458

Dimensions	Value	Tolerance
Core ID	3.05 inches	± 0.05%
Film Thickness	26.7 micron	

MBI ONE SIDE-CLING MACHINE FILM WITH UVI 1.20 mil

Product Description

MBI is Sigma's ultra-premium, one-sided cling cast film with UVI additive designed for high speed/high volume applications where outdoor storage is a critical component of the application. MBI is a true one-sided cling film allowing pallets to touch during storage without any damages to the package when separated. Available in 20 and 30 inch widths.

Applications

High volume
High speed wrapping
One-sided cling required

Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1250 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1150 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6500 psi	± 15%	ASTM D882
Tensile Strength at Break TD	3800 psi	± 15%	ASTM D882
Elongation at Break MD	540%	± 15%	ASTM D882
Elongation at Break TD	640%	± 15%	ASTM D882
Protrusion Puncture	14.5 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	37.3 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	290 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	590 g/mil	± 15%	ASTM 1922
Cling - Outside to Inside @ 225%	min 150 g/in	± 15%	ASTM D5458

Dimensions	Value	Tolerance
Core ID	3.05 inches	± 0.05%
Film Thickness	30.5 micron	

MBI ONE SIDE-CLING MACHINE FILM WITH UVI 1.30 mil

Product Description

MBI is Sigma's ultra-premium, one-sided cling cast film with UVI additive designed for high speed/high volume applications where outdoor storage is a critical component of the application. MBI is a true one-sided cling film allowing pallets to touch during storage without any damages to the package when separated. Available in 20 and 30 inch widths .

Applications

High volume
High speed wrapping
One-sided cling required

Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1250 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1150 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6500 psi	± 15%	ASTM D882
Tensile Strength at Break TD	3800 psi	± 15%	ASTM D882
Elongation at Break MD	540%	± 15%	ASTM D882
Elongation at Break TD	640%	± 15%	ASTM D882
Protrusion Puncture	14.5 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	37.3 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	290 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	590 g/mil	± 15%	ASTM 1922
Cling - Outside to Inside @ 225%	min 150 g/in	± 15%	ASTM D5458

Dimensions	Value	Tolerance
Core ID	3.05 inches	± 0.05%
Film Thickness	33.0 micron	