

MSC TWO-SIDED CLING MACHINE FILM

.50 mil

Product Description

Sigma Select is a double-sided cling cast machine stretch film ideal for general purpose wrapping. Economically wrap pallets without sacrificing load stability, film clarity, or cling. Available in 20 and 30 inch widths.

Applications

Beverage industry
 Bagged products
 Boxed products

Paper rolls
 General purposes
 A/B-load profiles



Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1350 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1200 psi	± 15%	ASTM D882
Tensile Strength at Break MD	4100 psi	± 15%	ASTM D882
Tensile Strength at Break TD	3000 psi	± 15%	ASTM D882
Elongation at Break MD	300%	± 15%	ASTM D882
Elongation at Break TD	450%	± 15%	ASTM D882
Protrusion Puncture	8.0 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	14.5 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	300 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	600 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	12.7 micron	

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MSC TWO-SIDED CLING MACHINE FILM

.55 mil

Product Description

Sigma Select is a double-sided cling cast machine stretch film ideal for general purpose wrapping. Economically wrap pallets without sacrificing load stability, film clarity, or cling. Available in 20 and 30 inch widths.

Applications

Beverage industry
 Bagged products
 Boxed products

Paper rolls
 General purposes
 A/B-load profiles



Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1350 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1200 psi	± 15%	ASTM D882
Tensile Strength at Break MD	7000 psi	± 15%	ASTM D882
Tensile Strength at Break TD	4000 psi	± 15%	ASTM D882
Elongation at Break MD	330%	± 15%	ASTM D882
Elongation at Break TD	460%	± 15%	ASTM D882
Protrusion Puncture	8.2 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	16.0 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	300 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	600 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	14.0 micron	

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MSC TWO-SIDED CLING MACHINE FILM

.60 mil

Product Description

Sigma Select is a double-sided cling cast machine stretch film ideal for general purpose wrapping. Economically wrap pallets without sacrificing load stability, film clarity, or cling. Available in 20 and 30 inch widths.

Applications

Beverage industry
 Bagged products
 Boxed products

Paper rolls
 General purposes
 A/B-load profiles



Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1250 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1200 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6800 psi	± 15%	ASTM D882
Tensile Strength at Break TD	4100 psi	± 15%	ASTM D882
Elongation at Break MD	390%	± 15%	ASTM D882
Elongation at Break TD	610%	± 15%	ASTM D882
Protrusion Puncture	9.5 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	18.0 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	350 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	630 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	15.2 micron	

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MSC TWO-SIDED CLING MACHINE FILM

.63 mil

Product Description

Sigma Select is a double-sided cling cast machine stretch film ideal for general purpose wrapping. Economically wrap pallets without sacrificing load stability, film clarity, or cling. Available in 20 and 30 inch widths.

Applications

Beverage industry
 Bagged products
 Boxed products

Paper rolls
 General purposes
 A/B-load profiles



Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1250 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1200 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6800 psi	± 15%	ASTM D882
Tensile Strength at Break TD	4100 psi	± 15%	ASTM D882
Elongation at Break MD	390%	± 15%	ASTM D882
Elongation at Break TD	610%	± 15%	ASTM D882
Protrusion Puncture	9.5 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	18.0 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	350 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	630 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	16.0 micron	

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MSC TWO-SIDED CLING MACHINE FILM

.65 mil

Product Description

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Applications

Beverage industry
 Bagged products
 Boxed products

Paper rolls
 General purposes
 A/B-load profiles



Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1250 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1200 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6800 psi	± 15%	ASTM D882
Tensile Strength at Break TD	4100 psi	± 15%	ASTM D882
Elongation at Break MD	400%	± 15%	ASTM D882
Elongation at Break TD	610%	± 15%	ASTM D882
Protrusion Puncture	9.5 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	19.5 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	340 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	600 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	16.5 micron	

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MSC TWO-SIDED CLING MACHINE FILM

.70 mil

Product Description

Sigma Select is a double-sided cling cast machine stretch film ideal for general purpose wrapping. Economically wrap pallets without sacrificing load stability, film clarity, or cling. Available in 20 and 30 inch widths.

Applications

Beverage industry
 Bagged products
 Boxed products

Paper rolls
 General purposes
 A/B-load profiles



Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1250 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1200 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6900 psi	± 15%	ASTM D882
Tensile Strength at Break TD	4000 psi	± 15%	ASTM D882
Elongation at Break MD	430%	± 15%	ASTM D882
Elongation at Break TD	600%	± 15%	ASTM D882
Protrusion Puncture	9.5 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	21.0 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	330 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	530 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	17.8 micron	

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MSC TWO-SIDED CLING MACHINE FILM

.75 mil

Product Description

Sigma Select is a double-sided cling cast machine stretch film ideal for general purpose wrapping. Economically wrap pallets without sacrificing load stability, film clarity, or cling. Available in 20 and 30 inch widths.

Applications

Beverage industry
 Bagged products
 Boxed products

Paper rolls
 General purposes
 A/B-load profiles



Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1250 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1200 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6900 psi	± 15%	ASTM D882
Tensile Strength at Break TD	4000 psi	± 15%	ASTM D882
Elongation at Break MD	450%	± 15%	ASTM D882
Elongation at Break TD	620%	± 15%	ASTM D882
Protrusion Puncture	9.8 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	21.4 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	330 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	530 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	19.0 micron	

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MSC TWO-SIDED CLING MACHINE FILM

.80 mil

Product Description

Sigma Select is a double-sided cling cast machine stretch film ideal for general purpose wrapping. Economically wrap pallets without sacrificing load stability, film clarity, or cling. Available in 20 and 30 inch widths.

Applications

Beverage industry
 Bagged products
 Boxed products

Paper rolls
 General purposes
 A/B-load profiles



Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1300 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1200 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6900 psi	± 15%	ASTM D882
Tensile Strength at Break TD	4000 psi	± 15%	ASTM D882
Elongation at Break MD	480%	± 15%	ASTM D882
Elongation at Break TD	620%	± 15%	ASTM D882
Protrusion Puncture	10.0 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	23.0 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	330 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	540 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	

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MSC TWO-SIDED CLING MACHINE FILM

.90 mil

Product Description

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Applications

Beverage industry
 Bagged products
 Boxed products

Paper rolls
 General purposes
 A/B-load profiles



Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1300 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1200 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6900 psi	± 15%	ASTM D882
Tensile Strength at Break TD	4000 psi	± 15%	ASTM D882
Elongation at Break MD	500%	± 15%	ASTM D882
Elongation at Break TD	600%	± 15%	ASTM D882
Protrusion Puncture	10.5 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	25.9 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	330 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	530 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	22.9 micron	

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MSC TWO-SIDED CLING MACHINE FILM

1.00 mil

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Applications

Beverage industry
 Bagged products
 Boxed products

Paper rolls
 General purposes
 A/B-load profiles



Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1300 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1200 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6900 psi	± 15%	ASTM D882
Tensile Strength at Break TD	4000 psi	± 15%	ASTM D882
Elongation at Break MD	510%	± 15%	ASTM D882
Elongation at Break TD	590%	± 15%	ASTM D882
Protrusion Puncture	11.0 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	28.8 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	330 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	530 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	

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MSC TWO-SIDED CLING MACHINE FILM

1.05 mil

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Applications

Beverage industry
 Bagged products
 Boxed products

Paper rolls
 General purposes
 A/B-load profiles



Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1350 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1200 psi	± 15%	ASTM D882
Tensile Strength at Break MD	8700 psi	± 15%	ASTM D882
Tensile Strength at Break TD	5000 psi	± 15%	ASTM D882
Elongation at Break MD	660%	± 15%	ASTM D882
Elongation at Break TD	850%	± 15%	ASTM D882
Protrusion Puncture	12.1 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	29.4 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	325 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	400 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	

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MSC TWO-SIDED CLING MACHINE FILM

1.10 mil

Product Description

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Applications

Beverage industry
 Bagged products
 Boxed products

Paper rolls
 General purposes
 A/B-load profiles



Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1300 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1200 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6900 psi	± 15%	ASTM D882
Tensile Strength at Break TD	4000 psi	± 15%	ASTM D882
Elongation at Break MD	520%	± 15%	ASTM D882
Elongation at Break TD	600%	± 15%	ASTM D882
Protrusion Puncture	11.5 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	31.7 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	330 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	530 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	28.0 micron	

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MSC TWO-SIDED CLING MACHINE FILM

1.15 mil

Product Description

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Applications

Beverage industry
 Bagged products
 Boxed products

Paper rolls
 General purposes
 A/B-load profiles



Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1300 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1200 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6900 psi	± 15%	ASTM D882
Tensile Strength at Break TD	4000 psi	± 15%	ASTM D882
Elongation at Break MD	530%	± 15%	ASTM D882
Elongation at Break TD	640%	± 15%	ASTM D882
Protrusion Puncture	12.0 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	33.1 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	330 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	530 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	29.2 micron	

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MSC TWO-SIDED CLING MACHINE FILM

1.20 mil

Product Description

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Applications

Beverage industry
 Bagged products
 Boxed products

Paper rolls
 General purposes
 A/B-load profiles



Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1300 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1200 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6900 psi	± 15%	ASTM D882
Tensile Strength at Break TD	4000 psi	± 15%	ASTM D882
Elongation at Break MD	540%	± 15%	ASTM D882
Elongation at Break TD	650%	± 15%	ASTM D882
Protrusion Puncture	12.2 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	34.6 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	330 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	530 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	

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