

HSC CAST HAND FILM

.55 mil

Product Description

Sigma Select Hand Film is a durable, all-purpose cast hand film. It has high clarity and easy unwind. Available in width from 11 inches to 18 inches.

Applications

Brick and block	Cold environments
Warehouse	Irregular shaped loads
Transportation industry	Distribution centers
Food distribution	Bagged products
All hand applications	Boxed products



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	370%	± 15%	ASTM D882
Elongation at Break TD	590%	± 15%	ASTM D882
Protrusion Puncture	8.5 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	16.5 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	350 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	

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

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HSC CAST HAND FILM

.60 mil

Product Description

Sigma Select Hand Film is a durable, all-purpose cast hand film. It has high clarity and easy unwind. Available in width from 11 inches to 18 inches.

Applications

Brick and block	Cold environments
Warehouse	Irregular shaped loads
Transportation industry	Distribution centers
Food distribution	Bagged products
All hand applications	Boxed products



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	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	15.24 micron	

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Product Description

Sigma Select Hand Film is a durable, all-purpose cast hand film. It has high clarity and easy unwind. Available in width from 11 inches to 18 inches.

Applications

Brick and block	Cold environments
Warehouse	Irregular shaped loads
Transportation industry	Distribution centers
Food distribution	Bagged products
All hand applications	Boxed products



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	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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HSC CAST HAND FILM

.80 mil

Product Description

Sigma Select Hand Film is a durable, all-purpose cast hand film. It has high clarity and easy unwind. Available in width from 11 inches to 18 inches.

Applications

Brick and block	Cold environments
Warehouse	Irregular shaped loads
Transportation industry	Distribution centers
Food distribution	Bagged products
All hand applications	Boxed products



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	330%	± 15%	ASTM D882
Elongation at Break TD	540%	± 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	20.32 micron	

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HSC CAST HAND FILM

.90 mil

Product Description

Sigma Select Hand Film is a durable, all-purpose cast hand film. It has high clarity and easy unwind. Available in width from 11 inches to 18 inches.

Applications

Brick and block	Cold environments
Warehouse	Irregular shaped loads
Transportation industry	Distribution centers
Food distribution	Bagged products
All hand applications	Boxed products



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	480%	± 15%	ASTM D882
Elongation at Break TD	620%	± 15%	ASTM D882
Protrusion Puncture	10.0 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	24.5 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	22.9 micron	

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