

## ENDURE BLOWN HAND FILM

### .70 mil

#### Product Description

Composed of 25% of post-consumer recyclate (PCR) up to 50% other recycled materials, and 25% virgin materials Endure's durability makes it versatile in any hand film application. Sigma Stretch Film has partnered with professional recyclers that have the capacity and capability to collect and convert used stretch film into PCR, supporting a circular production cycle. Available in widths from 11 inches to 18 inches.

#### Applications

Toughness required  
Hand wrapping

SIGMA  
**ENDURE**

Film Properties	Typical Value (English)	Tolerance	Test Method
Tensile Strength at Yield MD	1600 psi	± 15%	ASTM D882
Tensile Strength at Yield TD	1700 psi	± 15%	ASTM D882
Tensile Strength at Break MD	6850 psi	± 15%	ASTM D882
Tensile Strength at Break TD	4700 psi	± 15%	ASTM D882
Elongation at Break MD	410%	± 15%	ASTM D882
Elongation at Break TD	680%	± 15%	ASTM D882
Protrusion Puncture	8.6 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	13.0 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	160 g/mil	± 15%	ASTM 1922
Elmendorf Tear Strength TD	500 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	

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

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