

# 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		
EN	JA	

Typical Value (English)	Tolerance	Test Method
1600 psi	± 15%	ASTM D882
1700 psi	± 15%	ASTM D882
6850 psi	± 15%	ASTM D882
	1600 psi 1700 psi	Typical Value (English) Tolerance   1600 psi ± 15%   1700 psi ± 15%

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

Page & Schuyler Aves. Bldg #8 Phone: 800-672-9727 • 201-507-9100 Email: stretch.info@sigmaplastics.com Visit our website at www.sigmastretchfilm.com ©Copyright 2018 Sigma Stretch Film



# ENDURE BLOWN HAND FILM .80 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		
EN	JF	RE

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	6800 psi	± 15%	ASTM D882
Tensile Strength at Break TD	4600 psi	± 15%	ASTM D882
Elongation at Break MD	470%	± 15%	ASTM D882
Elongation at Break TD	720%	± 15%	ASTM D882
Protrusion Puncture	8.8 lbs.	± 15%	ASTM D5748
Protrusion Puncture Energy	15.0 in-lb	± 15%	ASTM D5748
Elmendorf Tear Strength MD	150 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	20.3 micron	

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