



## Technical Information and Typical Properties

### Prestretched Hand Film

**.29 mil**

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#### Product Description

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Sigma Prestretched Hand Film is engineered to outperform all competitive prestretched hand films on the market. Its reinforced edges provide unrivaled load-holding force and tear resistance, while its superior puncture resistance allows it to hold corners better on C loads.

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#### General

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Applications

Cold environments;Grocery warehouse;Internal wrapping;Boxed products;Food processing;All load profiles

Revision Date 4/20/2016 Available in widths from 13"-18"

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| Film Properties                  | Typical Value |           | Test Method |
|----------------------------------|---------------|-----------|-------------|
|                                  | (English)     | Tolerance |             |
| Tensile Strength at Yield MD     | No Yield      | ± 15%     | ASTM D882   |
| Tensile Strength at Yield TD     | 1000psi       | ± 15%     | ASTM D882   |
| Tensile Strength at Break MD     | 16000psi      | ± 15%     | ASTM D882   |
| Tensile Strength at Break TD     | 3300psi       | ± 15%     | ASTM D882   |
| Elongation at Break MD           | 150%          | ± 15%     | ASTM D882   |
| Elongation at Break TD           | 730%          | ± 15%     | ASTM D882   |
| Protrusion Puncture              | 4.7 lbs       | ± 15%     | ASTM D5748  |
| Protrusion Puncture Energy       | 12.1 in-lb    | ± 15%     | ASTM D5748  |
| Elmendorf Tear Strength MD       | 140 g/mil     | ± 15%     | ASTM D1922  |
| Elmendorf Tear Strength TD       | 980 g/mil     | ± 15%     | ASTM D1922  |
| Cling - Outside to Inside @ 225% | min 150 g/in  | ± 15%     | ASTM D5458  |

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| Dimensions     | Value       | Tolerance |
|----------------|-------------|-----------|
| Core ID        | 3.05 inches | ± 0.05 in |
| Film Thickness | 7.4 micron  |           |

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Manufactured with pride in the USA and Canada by

**Sigma Stretch Film**

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