



## Technical Information and Typical Properties

### HSC Cast Hand Film

**.80 mil**

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#### Product Description

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HSC is a general purpose cast hand film with high strength, puncture resistance, cling, and clear optics.

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#### General

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Applications: all purpose general application  
 Revision Date: 6/22/2015 Available in widths from 11"-18"

| Film Properties                  | Typical Value |           | Test Method |
|----------------------------------|---------------|-----------|-------------|
|                                  | (English)     | Tolerance |             |
| Tensile Strength at Yield MD     | 1300 psi      | ± 15%     | ASTM D882   |
| Tensile Strength at Yield TD     | 1200psi       | ± 15%     | ASTM D882   |
| Tensile Strength at Break MD     | 6900psi       | ± 15%     | ASTM D882   |
| Tensile Strength at Break TD     | 4000psi       | ± 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 D1922  |
| Elmendorf Tear Strength TD       | 540 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 | 20.32 micron |           |

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Manufactured with pride in the USA and Canada by

**Sigma Stretch Film**

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