

L8101

DESCRIPTION: Linear-low density octene copolymer, general purpose blown film extrusion, FDA compliant.

FEATURES: Excellent combination of sealability, mechanical strength and optics.

APPLICATIONS: Sealing layer in coextruded films principally for food packaging, heavy duty shipping sacks, and general purpose film.

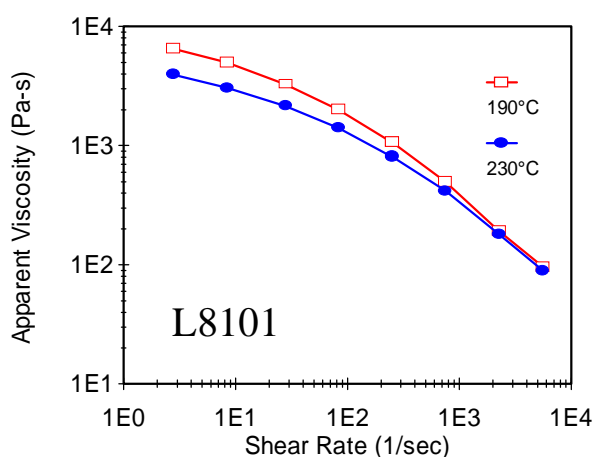
| PROPERTIES | NOMINAL VALUE | SI UNIT | NOMINAL VALUE | ENGLISH UNIT | ASTM TEST METHOD |
|------------|---------------|-------------------|---------------|--------------|------------------|
| Melt Index | 1.0 | g/10 min | | | D 1238 |
| Density | 0.918 | g/cm ³ | | | D 1505 |

| BLOWN FILM PROPERTIES (1.0 Mil Gauge-25 microns) | | NOMINAL VALUE | SI UNIT | NOMINAL VALUE | ENGLISH UNIT | ASTM TEST METHOD |
|--|----|---------------|---------|---------------|--------------|------------------|
| Haze | | 9 | % | 9 | % | D 1003 |
| Gloss at 45° | | 66 | | 66 | | D 523 |
| Dart Impact | | 220 | g | | | D 1709 |
| Elmendorf Tear | MD | 360 | g | | | D 1922 |
| | TD | 660 | g | | | |
| Ultimate Elongation | MD | 580 | % | 580 | % | D 882 |
| | TD | 770 | % | 770 | % | |
| Tensile at Break | MD | 46 | MPa | 6630 | psi | D 882 |
| | TD | 36 | MPa | 5200 | psi | |
| 2% Secant Modulus | MD | 172 | MPa | 25 | kpsi | D 882 |
| | TD | 200 | MPa | 29 | kpsi | |
| Recommended Melt Temperature Range | | 205-245 | °C | 400-475 | °F | |

Blow up ratio 2.8:1

Line speed 110 ft/min.

*Conforms to FDA regulation 21 CFR 177.1520 (c) 3.1b.



| Shear Rate (1/sec) | Apparent Viscosity (Pa-s) | |
|--------------------|---------------------------|----------|
| | at 190°C | at 230°C |
| 5585.2 | 96 | 89 |
| 2262.0 | 192 | 181 |
| 754.01 | 496 | 417 |
| 251.34 | 1066 | 808 |
| 251.34 | 1059 | 803 |
| 83.778 | 1989 | 1398 |
| 27.926 | 3276 | 2145 |
| 8.3778 | 4950 | 3042 |
| 2.7926 | 6485 | 3928 |

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HUNTSMAN CORPORATION

3040 Post Oak Boulevard • Houston, Texas 77056 • 713-235-6000 • Fax 713-235-6416 • www.huntsman.com

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