

### Material Properties - Industrial Clarity

Resin Property	ASTM Test Method	Unit	Typical Value
Melt Index	D 1238	g/10 min	1.8
Base Resin Density	D 1505	g/cc	0.921
Vicat Softening Point	D 1525	°C	100
<b>Film*</b>			
Haze <sup>1</sup>	D 1003	%	5.0
Gloss, 45° <sup>1</sup>	D 2457	units	70
Dart Drop Impact Strength, F <sub>50</sub>	D 1709	g	90
Tensile Strength @ Yield, MD (TD)	D 882	psi	1,500 (1,600)
Tensile Strength @ Break, MD (TD)	D 882	psi	4,000 (3,400)
Elongation, MD (TD)	D 882	%	300 (500)
1% Secant Modulus, MD (TD)	D 882	psi	26,000 (30,000)
Elmendorf Tear Strength, MD (TD)	D 1922	g	360 (200)

### Product LD200 - SAHC

Slip	750
Antiblock	1,500

These are typical values and are not to be construed as specific product limits.

\* Data obtained from film produced in a 3½ (89 mm) blown film line, commercially available 8" (203 mm) die, 375°F (191°C) melt extrusion temperature 2:1 BUR, 1.25 mil (32 micron) gauge, 0.025" die gap at 130 lb/hr.

<sup>1</sup> Optical properties given for LD200-SAHC (medium slip, medium antiblock)

### Applications

- LD200-SAHC is a series of homopolymer resins that combine premium clarity with strength and stiffness. LD200-SAHC exhibits good impact strength on both flat and creased film.
- LD200-SAHC is recommended for textile packaging, light produce, bread bags and other thin packaging films enhanced by clarity and sparkle. The optical values of LD200-SAHC actually improve with decreases in film gauge and are maintained at wide die gap settings. This leads to important cost savings. Film can be drawn down to a minimum gauge consistent with required physical properties, with the assurance that optical properties will not suffer, but improve. With wider die gaps back pressures are reduced, as are extrusion costs.
- LD200-SAHC meets the requirements of the Food and Drug Administration, 21 CFR Section 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food." Specific limitations may apply. Contact your LAP sales representative for more information.
- Specific recommendations for processing LD200-SAHC can only be made when the processing conditions, equipment and end use are known. Consult your LAP sales representative.

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