

LD07520

Melt Index 0.7

Density 0.920

Material Properties

Properties	Test Method	Unit	Typical Value
Melt Index	D 1238	g/10 min	0.7
Density	D 1505	g/cc	0.920
Vicat Softening Point	D 1525	°C	90
Film¹			
Dart Drop Impact Strength, F ₅₀	D 1709	g	130
Tensile Strength, MD (TD)	D 882	psi	3,400 (2,400)
Elongation, MD (TD)	D 882	%	160 (480)
1% Secant Modulus, MD (TD)	E 111	psi	26,000 (32,000)
Elmendorf Tear Strength, MD (TD)	D 1922	g	300 (180)
Molding			
Low Temperature Brittleness, F ₅₀	D 746	°C	-75°
Tensile Strength @ Yield (Break)	D 638	psi	1,550 (1,650)
Elongation @ Yield (Break)	D 638	%	100 (700)
Hardness, Shore D	D 2240		46

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

¹ Data obtained from film produced in a 3 1/2" (89 mm) blown film line, commercially available 8" (203 mm) die, 350°F (177°C) melt extrusion temperature, 2:1 BUR, 1.25 mil (32 micron) gauge, 0.025" die gap at 150 lb/hr.

Product	LD07520	LD07520A	LD07520SA
Slip	No	No	Yes
Antiblock	No	Yes	Yes

- LD07520 is designed for a wide variety of industrial film applications where high impact strength and excellent drawdown are needed. LD07520 exhibits uniformity, ease of processing and good tensile strength.
- Generally recommended extrusion conditions include a melt temperature range of 310°-350°F (155°-177°C) and a blow-up ratio range of 1.8-2.5:1. Drawdown to gauges below 1.0 mils (<25 microns) is possible at commercial rates when proper techniques are used. Specific limitations may apply, contact your Osterman sales representative for more information.
- Osterlene LD07520 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 Osterman sales representative for more information.