

# ExxonMobil LDPE

## LD 160AS

Blown Film Resin

### Description

LD 160AS is an LDPE grade, which offers good draw down and optical properties.

### Applications

- laundry film
- textile packaging
- produce film
- other high clarity thin film applications

Additive Package	Antiblock	Slip	Thermal Stabilizer
LD 160AS	1950 ppm	800 ppm	Yes

Resin Properties	Test Based On	Typical Value / Unit	
Melt Index	ASTM D1238	4.0 g/10 min	
Density	ASTM D2839 / D1505	0.9225 g/cm <sup>3</sup>	
Peak Melting Temperature	ASTM D3418	109 °C	228 °F
Crystallization Point	ASTM D3418	93 °C	199 °F

### Film Properties

Tensile Strength	MD	ASTM D882	19 MPa	2750 psi
	TD		15 MPa	2200 psi
Elongation @ Break	MD	ASTM D882	250 %	
	TD		440 %	
1% Secant Modulus	MD	ASTM D882	210 MPa	30500 psi
	TD		240 MPa	35000 psi
Haze		ASTM D1003	5.5 %	
Gloss, 60° angle		ASTM D2457	11 %	
Dart Drop Impact, A/Face		ASTM D1709	2.0 g/μm	51 g/mil
Elmendorf Tear Strength	MD	ASTM D1922	7 g/μm	178 g/mil
	TD		4.5 g/μm	114 g/mil

The film properties have been measured on a 30 μm (1.18 mil) thick film. (Blow-up ratio : 2.5)

LD 160AS can - in principle - be used in food contact applications in various EU Member States and in the USA (FDA). Migration or use limitations may apply. Please contact your ExxonMobil Chemical representative for more detailed information and/or actual compliance certification documents for the specific grade of interest.

Revised 12/03

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