



# Formolene® LH1720H

## Linear Low Density Polyethylene (LLDPE) Resin for Film Extrusion Applications

Formolene® LH1720H is a hexene based linear low density film grade designed for stretch film applications requiring good puncture resistance, toughness and load holding properties.

Formolene® LH1720H meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

### Suggested Applications:

Blending Resin                      Industrial Liners                      Industrial Packaging                      Garment Bags

### Additives:

Antiblock –No                      Slip – No                      Processing Aid – No

### Nominal Values

PROPERTY	ASTM TEST METHOD	ENGLISH		SI	
		Unit	Value	Unit	Value
Base Density	Internal Method	g/cm <sup>3</sup>	0.917	g/cm <sup>3</sup>	0.917
Melt Index (190 °C, 2.16 kg)	D1238	g/10 min	2.0	g/10 min	2.0
Tensile Strength at Yield	D882	psi	1540/1640*	MPa	10.6/11.3*
Tensile Strength at Break	D882	psi	8070/6850*	MPa	55.7/47.2*
Tensile Elongation at Break	D882	%	480/890*	%	480/890*
Dart Impact	D1709A	g	130	g	130
Elmendorf Tear Strength	D1922	g	220/640*	g	220/640*

\* MD/TD

### Available in the following additive packages:

Additive	LH1720H
Density (g/cm <sup>3</sup> ) ASTM D792	0.917
Antiblock (ppm)	None
Slip (ppm)	None
Processing aid	None
Special	High Antioxidant

Note: Film properties are based on slot-cast film extruded at 525 °F (274 °C), 401 lb/hr, 600 fpm at 0.8 mil (20 µm) thickness. Actual film properties may vary depending on operating conditions and additive packages. Film properties are not intended to be used as specifications.

Base density is estimated using the assumption that every 1000 ppm of antiblock in the finished product raises the density of the polymer by 0.0006 g/cm<sup>3</sup>. Base density is the estimated density of the polymer if it did not contain any antiblock.

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