



# Formolene® MP1835H

## *Metallocene Linear Low-Density Polyethylene (mLLDPE) Resin for Film Extrusion Applications*

Formolene® MP1835H is a metallocene 1-hexene copolymer cast film grade that is formulated with a high-performance antioxidant package for enhanced high temperature processing. Films made from this resin have outstanding tensile properties, impact and puncture strength. These superior properties together with excellent drawability make MP1835H a versatile resin for both monolayer and multilayer packaging and cast stretch film.

### Suggested Applications:

Bags in Box	Barrier Food Packaging	Blown Film
Cast Film	Cast Stretch Film	Diaper Backsheet
Food Packaging	Form Fill and Seal Packaging	Hygiene Film
Packaging Films	Personal Care	

### Nominal Values

PROPERTY	ASTM TEST METHOD	ENGLISH		SI	
		Unit	Value	Unit	Value
Base Density	Internal Method	g/cm <sup>3</sup>	0.918	g/cm <sup>3</sup>	0.918
Melt Index (190 °C, 2.16 kg)	D1238	g/10 min	3.5	g/10 min	3.5
Tensile Strength at Yield	D882	psi	1200/1100*	MPa	8.3/7.6*
Tensile Strength at Break	D882	psi	6000/4500*	MPa	41/31*
Tensile Elongation	D882	%	510/680*	%	510/680*
Secant Modulus (1% sec)	D882	kpsi	16/17*	MPa	110/117*
Dart Impact	D1709A	g	140	g	140
Tear Strength	D1922	g	190/350*	g	190/350*
Gloss (45°)	D2457		86		86
Haze	D1003	%	2.4	%	2.4

\* MD/TD measured on cast film (0.8 mil / 20 micron)

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