



Formolene® MP1510B

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

Formolene® MP1510B is a metallocene 1-hexene copolymer linear low-density film grade to be designed as a very versatile packaging film resin. Films made from this resin have outstanding cold temperature toughness and impact strength, along with excellent heat sealing and hot tack performance. This resin has PFAS free PPA added.

Suggested Applications:

Bag in Box	Barrier Food Packaging	Blown Film
Food Packaging	Form Fill and Seal Packaging	Freezer Film
Heavy Duty Bags	Ice Bags	Lamination Film
Multilayer Packaging Film	Stand Up Pouches	

Nominal Values

PROPERTY	ASTM TEST METHOD	ENGLISH		SI	
		Unit	Value	Unit	Value
Base Density	ASTM D792	g/cm ³	0.915	g/cm ³	0.915
Melt Index (190 °C, 2.16 kg)	D1238	g/10 min	1.0	g/10 min	1.0
Tensile Strength at Yield	D882	psi	1200/1200*	MPa	8.3/8.3*
Tensile Strength at Break	D882	psi	8000/7000*	MPa	55/48*
Tensile Elongation	D882	%	510/680*	%	510/680*
Secant Modulus (1% sec)	D882	kpsi	20/22*	MPa	138/152
Dart Impact	D1709A	g	850	g	850
Tear Strength	D1922	g	220 /380*	g	220/380*
Gloss (45°)	D2457		49		49
Haze	D1003	%	14	%	14

* MD/TD values on blown film (1 mil / 25.4 micron and 2.5:1 blow up ratio). Actual film properties may vary depending on operating conditions and additive packages.

Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (800) 363-1823 • Fax: (973) 716-7483

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions concerning uses or applications are only the opinion of FORMOSA INDUSTRIES CORPORATION and users should perform their own tests to determine the suitability of these products for their own particular purposes. However, because of numerous factors affecting the results, FORMOSA INDUSTRIES CORPORATION MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, other than that the material conforms to the applicable current Standard Specifications Statement herein, therefore, should not be construed as representations or warranties. Statements concerning the use of the products of formulations described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.

Formolene® is a registered trademark of Formosa Plastics Corporation, U.S.A. Formosa Industries Corporation is an authorized user of this trademark.