



**MARPOL**  
**LDF 701**  
Low Density Polyethylene



**PRODUCT DATA SHEET**

**MARPOL® LDF 701** is a homopolymer film resin with great clarity and stiffness. Film made from this resin may be used in overwrap applications and in push-through type packaging equipment.

Resin Properties	Typical Value	Typical Value (SI)	Test Method
Melt index (190°C/2.16 kg)	0.70 g/10 min	0.70 g/10 min	ASTM D 1238
Density	0.924 g/cm <sup>3</sup>	0.924 g/cm <sup>3</sup>	ASTM D 1505
Peak Melting Point	235 °F	235 °C	ASTM D 3418
Film Properties	Typical Value	Typical Value (SI)	Test Method
Dart Drop Impact	160 g	160 g	ASTM D 1709
Elmendorf Tear Strength			ASTM D 1922
MD	510 g	510 g	
TD	140 g	140 g	
Tensile Strength at Break			ASTM D 882
MD	3700 psi	25 MPa	
TD	3200 psi	22 MPa	
Tensile Strength at Yield			ASTM D 882
MD	1600 psi	11 MPa	
TD	1700 psi	12 MPa	
Elongation at Break			ASTM D 882
MD	130 %	130 %	
TD	540 %	540 %	
1% Secant Modulus			ASTM D 882
MD	34 000 psi	235 MPa	
TD	42 000 psi	290 MPa	

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee as conditions and methods of use are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.



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Film Properties	Typical Value	Typical Value (SI)	Test Method
Haze	9.6 %	9.6 %	ASTM D 1003
Gloss (45°)	57	57	ASTM D 2457

**Recommended application:**

Bread bags, co-extrusion films, collation shrink, diaper backsheets, frozen food packaging, high performance collation, shrink, hygiene packaging, label film, laminating film and overwrap paper and film, pallet shrink film, medium duty shrink film.

**Additives:**

Antiblock – no, Slip – no.

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**MARCO POLO**  
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