

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.

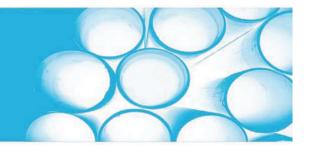
Resin Properties	Typical Value	Typical Value (SI)	Test Method
Melt index (190°C/2.16 kg)	0.70 g/10 min	0.70 g/10 min	ASTM D 1238
Density	0.924 g/cm³	0.924 g/cm³	ASTM D 1505
Peak Melting Point	235 °F	235 °C	ASTM D 3418
Film Properties	Typical Value	Typical Value (SI)	Test Method
Dart Drop Impact	160 g	160 g	ASTM D 1709
Elmendorf Tear Strength MD TD	510 g 140 g	510 g 140 g	ASTM D 1922
Tensile Strength at Break MD TD	3700 psi 3200 psi	25 MPa 22 MPa	ASTM D 882
Tensile Strength at Yield MD TD	1600 psi 1700 psi	11 MPa 12 MPa	ASTM D 882
Elongation at Break MD TD	130 % 540 %	130 % 540 %	ASTM D 882
1% Secant Modulus MD TD	34 000 psi 42 000 psi	235 MPa 290 MPa	ASTM D 882

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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