

## LDF-222C Low Density Polyethylene

**LDF-222C** is a **certified prime** resin specially designed for production of **high clarity** Blown films for packaging of articles requiring good opticals such as baked products, sandwich bags, light duty produce bags, toilet paper and textiles. **LDF-222C** features easy processability, and optimal balance of film strength, stiffness, good openability and excellent sealability. Maximum recommended film drawdown is 1.0 mil. **LDF-222C** contains **medium slip** and **medium antiblock**. **LDF-222C** complies with FDA regulation 21CFR 177.1520 (c) 2.1 + 2.2 and most international regulations concerning the use of Polyethylene in contact with food articles.

### Typical Properties

PROPERTIES*	ASTM TEST	UNIT ENGLISH (METRIC)	NOMINAL VALUES
<b>RESIN</b>			
Melt Index	D 1238E	gr./10 min	2.0
Density	D 1505	gr./cm <sup>3</sup>	0.922
<b>FILM**</b>			
Haze	D 1003	%	5.5
Gloss	D 2457	@ 45°	75
Tensile Modulus <sup>1</sup>	D 882	psi x 1000 (MPa)	34/36 <sup>2</sup> (234/248)
Yield	D 882	psi x 1000 (MPa)	1.5/1.6 <sup>2</sup> (10/11)
Break	D 882	psi x 1000 (MPa)	3.8/2.2 <sup>2</sup> (26/15)
Ult. Elongation	D 882	%	175/550 <sup>2</sup>
Elmendorf Tear	D 1922	gr.	540/160 <sup>2</sup>
Dart Impact, F50	D 1709A	gr.	85

#### TYPICAL VALUE OF PROPERTIES NOT TO BE CONSTRUED AS SPECIFICATIONS.

\* - Test specimens from compression molded plaque according to ASTM D 1928 Procedure C.

\*\* - 1.25 mils (31μ) film, melt temperature 350-370°F (175-185°C), blow-up-ratio 2.25:1.

1 - 1% secant.

2 - MD/TD.

#### THIS PRODUCT DATA SHEET EFFECTIVE JANUARY 2001 SUPERSEDES ALL DATA PREVIOUSLY PUBLISHED

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