

LDF-720A Low Density Polyethylene

LDF-720A is a **certified prime** resin specially designed for production of high drawdown thin gauged high clarity Blown films. **LDF-720A** features excellent combination of easy processability at high extrusion rates and very good balance of film mechanical properties. Films display very good color stability and superior heat seal performance. **LDF-720A** applications include films for garment laundry and dry cleaning, banana tree shroud bags, and produce bags. Maximum recommended film drawdown is 0.5 mils. **LDF-720A** contains **no slip** and **no antiblock**. **LDF-720A** 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
RESIN			
Melt Index	D 1238E	gr./10 min	7.0
Density	D 1505	gr./cm ³	0.922
FILM**			
Haze	D 1003	%	6.5
Gloss	D 2457	@45°	70
Tensile Modulus ¹	D 882	psi x 1000 (MPa)	33/40 ² (228/275)
Yield	D 882	psi x 1000 (MPa)	1.4/1.3 ² (10/9)
Break	D 882	psi x 1000 (MPa)	3.0/2.1 ² (21/14)
Ult. Elongation	D 882	%	150/500 ²
Elmendorf Tear	D 1922	gr.	145/105 ²
Dart Impact, F50	D 1709A	gr.	30

TYPICAL VALUE OF PROPERTIES NOT TO BE CONSTRUED AS SPECIFICATIONS.

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

** - 1.0 mils (25μ) film, melt temperature 300-340°F (150-170°C), blow-up-ratio 2.5 :1.

1 - 1% secant,

2 - MD/TD.

THIS PRODUCT DATA SHEET EFFECTIVE OCTOBER 2003 SUPERSEDES ALL DATA PREVIOUSLY PUBLISHED

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