

Low Density Polyethylene F2022/0

Description:

Excellent sealing characteristics and optical properties with well balanced mechanical properties.

Application:

General purpose which require no additives; shrink films for goods; flat film for diapers and injection blow molding. Recommended film thickness: 0.025-0.100mm.

Process:

Cast Film Extrusion

Control Properties:

	ASTM Methods	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	2.0
Density	D 792	g/cm3	0.922

Typical Properties:

Blow Film Properties^a

	ASTM Methods	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	40/20
Elongation at Break (MD/TD)	D 882	%	230/900
Dart Drop Impact	D 1709	g/F50	70
Elmendorf Tear Strength (MD/TD)	D 1922	gF	NDb/90
Haze	D 1003	%	8
Gloss - Angle 60°	D 2457	%	93

(a) 25 µm Film Gauge, obtained in 40 mm extruder with blow up ratio of 2,2:1 . (MD: Machine direction; TD: Transversal direction).

(b) ND: Not Determined.

Recommended Processing Conditions:

Recommended processing conditions for:

1) Blow Film Extrusion

- Temperature profile: 120 to 170°C.

- Blow up ratio: 1.8 to 3.0:1

2) Blow Molding

- Temperature profile: 180 to 310°C. The optimum processing conditions will vary according to the type of equipment used and cannot be considered as performance guarantee.

