

Linear Low Density Polyethylene LF0720/21AF

Description:

LF0720/21AF is a LLDPE that shows low haze and high clarity associated with good balance of mechanical properties, processing performance and sealability.

Additive:

Slip Medium; Antiblocking Medium; Processing Aid Médium

Applications:

Automatic Packaging (FFS); high clarity films; liners; general purpose

Process:

Blown Film Extrusion

Control Properties:

	ASTM Method	Unit	Value
Melt Flow Rate (190/2.16)	D 1238	g/10 min	0.70
Density	D 792	g/cm ³	0.921

Properties:

Blown Film Properties^a

	ASTM Method	Unit	Value
Tensile Strength at Break (MD/TD)	D 882	MPa	30/20
Elongation at Break (MD/TD)	D 882	%	780/990
Flexural Modulus – 1% Secant (MD/TD)	D 882	MPa	180/200
Dart Drop Impact	D 1709	g/F50	180
Elmendorf Tear Strength (MD/TD)	D 1922	gF	60/390
Haze	D 1003	%	9
Gloss - Angle 60°	D 2457	%	75

(a) 40 µm thickness film, processed in a 40mm screw diameter extruder with blow up ratio of 2.2:1. (MD: Machine Direction; TD: Transversal Direction).

Recommended Processing Conditions:

Blown Film Extrusion

- Temperature Profile:.....from 180 to 210°C
- Blow up Ratio:.....from 2 to 3:1
- Die Gap:.....from 1.8 to 2.5 mm
- Screen Package:.....40/40 - 100% pure
40/60/40 - Blend
- Mass Temperature:.....220°C (max 225°C)

