

Linear Low Density Polyethylene LF0720/20AF
Description:

LF0720/21AF is a LLDPE. It shows excellent optical properties associated with good balance of mechanical properties, processing performance and sealability. This resin contains Antioxidant, Antiblocking and Processing Aid additive.

Applications:

Heavy-duty bags; liners; LDPE and HDPE blends; packages for general use.

Process:

Blown Film Extrusion.

Control Properties:

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

Typical Properties:

Blown Film Properties^a

	ASTM Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	40/35
Elongation at Break (MD/TD)	D 882	%	1220/1410
Tensile Modulus – 1% Secant	D 882	MPa	190/210
Dart Drop Impact	D 1709	g/F50	270
Elmendorf Tear Strength (MD/TD)	D 1922	gF	270/1000
Haze	D 1003	%	17
Gloss - Angle 60°	D 2457	%	100

(a) 100 µm Film Gauge, obtained in 40 mm extruder, with 2:1 BUR. die gap 1.0 mm, (MD: Machine direction; TD: Transversal direction).

