

Linear Low Density Polyethylene LF320

Description:

LF320 is a Linear Low Density Polyethylene developed for cast film extrusion. Films obtained with this product show a good processing performance balanced with good optical and mechanical properties as well as processability. Very low gel amount.

Additive:

It contains processing aid and antioxidant additives.

Applications:

Stretch films; liners; LDPE and HDPE blends and packages for general use.

Process:

Blown Film Extrusion.

Control Properties:

	ASTM Method	Unit	Value
Melt Flow Rate (190/2.160)	D 1238	g/10 min	2.7
Density	D 1505	g/cm ³	0.919

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	%	1090/1380
Tensile Modulus – 1% Secant	D 882	MPa	180/230
Dart Drop Impact	D 1709	g/F50	60
Elmendorf Tear Strength (MD/TD)	D 1922	gF	60/320

(a) 38 µm thickness film, processed in a 40 mm screw diameter extruder with blow up ratio of 2,2:1 (MD = Machine Direction; TD = Transversal Direction)

Recommended Processing Conditions:

Blown Film Extrusion

Recommended processing conditions for film extrusion about 170 - 210 °C. The optimum processing conditions will vary according to the type of equipment used and cannot be considered as performance guarantee.

