

Linear Low Density Polyethylene PLURIS9300

Description:

PLURIS9300 is a Quateropolymer unique properties, such as high stiffness associated with toughness. It is easier to process than conventional LLDPE with the same melt index and shows very good bubble stability. Films obtained with this product have very low gel values. It contains processing Aid, antioxidant and antiblock additives.

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	0.55
Density	D 1505	g/cm ³	0.919

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	%	1040/1280
Flexural Modulus – 1% Secant	D 882	MPa	240/300
Dart Drop Impact	D 1709	g/F50	325
Elmendorf Tear Strength (MD/TD)	D 1922	gF	480/2070
Haze	D 1003	%	25
Gloss - Angle 60°	D 2457	-	50

(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).

