

Linear Low Density Polyethylene HF2208S3

Description:

The HF2208S3 resin is a linear low density polyethylene, developed for blown film extrusion with good mechanical properties.

Application:

FFS packaging; coextrusion.

Additive:

Antioxidant
Processing aids
Anti-blocking

Process:

The HF2208S3 needs to be processed in blown film extruder. The optimum processing conditions are obtained with extrusion temperature between 200 to 220°C blended with 30% of low density polyethylene.

Control Properties:

	ASTM Methods	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	0.75
Density	D 792	g/cm ³	0.922

Typical Properties:

Blow Film Properties^b

	ASTM Methods	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	45/30
Elongation at Break (MD/TD)	D 882	%	950/1150
Tensile Modulus – 1% Secant (MD/TD)	D 882	MPa	210/240
Dart Drop Impact	D 1709	g/F50	200
Elmendorf Tear Strength (MD/TD)	D 1922	gF	150/840
Haze	D 1003	%	11
Gloss 45°	D 2457	%	70

(a) 40 µm thickness film, processed in a 70 mm extruder with blow up ratio of 2,2:1 . (MD: Machine direction; TD: Transversal direction).

