

Mapolene 3730F is a medium density polyethylene resin tailored for blown film applications that require good stiffness, excellent toughness, blending with LLDPE and LDPE, while exhibiting superior bubble stability.

Mapolene 3730F

Polyethylene	Melt Index	.30
Blown Film	Density	.937

Properties ¹	ASTM	Units	Value
Melt Index (190°C/2.16 kg)	ASTM D1238	g/10 min	.30
Density	ASTM D1505	g/cm ³	.937
<i>Nominal Blown Film Properties at 1.0 mil</i>			
Tensile Strength @ Break	ASTM D882	psi	MD (TD) 7900 (5600)
Elongation @ Break	ASTM D882	%	MD (TD) 310 (840)
1% Secant Modulus,	ASTM D882	psi	MD(TD)88000 (121000)
Dart Drop Impact Strength, F50	ASTM D1709	g/mil	50
Elmendorf Tear Strength	ASTM D1922	g/mil	MD (TD) 16 (1600)

This material meets the Food and Drug Administration requirements of 21CFR 177.1520.

¹Properties will vary and are not to be used for specification purposes.