

Mapolene 2000 is a fractional melt, low density polyethylene resin designed for heavy duty and shrink film applications produced by blown film extrusion. This resin exhibits high impact strength, good bubble stability and contains medium levels of antiblock.

Mapolene 2000

Polyethylene	Melt Index	.25
Blown Film	Density	.920

Properties ¹	ASTM	Units	Value
Melt Index (190°C/2.16 kg)	ASTM D1238	g/10 min	.25
Density	ASTM D1505	g/cm ³	.920
Slip	-----		None
Antiblock	-----	ppm	4000

Nominal Blown Film Properties at 2.0 mils

Tensile Strength @ Break, MD (TD)	ASTM D882	psi	3700 (3500)
Elongation @ Break, MD (TD)	ASTM D882	%	350 (550)
1% Secant Modulus, MD (TD)	ASTM D882	psi	27000 (35000)
Dart Drop	ASTM D1709	g/mil	190
Elmendorf Tear Strength, MD (TD)	ASTM D1922	g/mil	280 (120)

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.

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