

Mapolene 2302 is a low density polyethylene resin that combines premium clarity with good strength and stiffness on both flat and creased film. It is recommended for textile packaging, light produce, bread bags and other thin packaging films enhanced by clarity and high gloss.

Mapolene 2302

Polyethylene
Blown Film

Melt Index 2.0
Density .923

Properties ¹	ASTM	Units	Value
Melt Index (190°C/2.16 kg)	ASTM D1238	g/10 min	2.0
Density	ASTM D1505	g/cm ³	.923
Slip	-----	ppm	750
Antiblock	-----	ppm	1000
<i>Nominal Blown Film Properties at 1.5 mil</i>			
Haze	ASTM D1003	%	5.2
Gloss, 45°	ASTM D2457		75
Tensile Strength @ Yield, MD (TD)	ASTM D882	psi	1500 (1500)
Tensile Strength @ Break, MD (TD)	ASTM D882	psi	3600 (3100)
Elongation @ Break, MD (TD)	ASTM D882	%	210 (570)
1% Secant Modulus, MD (TD)	ASTM D882	psi	31000 (37000)
Dart Drop	ASTM D1709	g/mil	100
Elmendorf Tear Strength, MD (TD)	ASTM D1922	g/mil	350 (180)

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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