



## Bapolene® 222B Polyethylene Film Grade

**Key Features:**

Superior impact strength and toughness.

**Material Notes:**

Bapolene 222B is a butene linear low density polyethylene for blown film applicatoins requiring superior impact strength and toughness. It complies with US FDA 21CFR177.1520.

**Applications:** General packaging, garment bags, industrial packaging, and liners.

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Physical Properties	Metric	English	Comments
Density	<u>0.918</u> g/cc	<u>0.0332</u> lb/in <sup>3</sup>	ASTM D- 1505
Melt Flow	2.00 g/10 min	2.00 g/10 min	ASTM D- 1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	600 %	600 %	ASTM D-882
Film Elongation at Break, TD	700 %	700 %	ASTM D-882
Elmendorf Tear Strength MD	<u>105</u> g	<u>105</u> g	ASTM D- 1922
Elmendorf Tear Strength TD	<u>410</u> g	<u>410</u> g	ASTM D- 1922
Dart Drop Test	<u>65.0</u> g	<u>0.143</u> lb	ASTM D- 1709
Film Tensile Strength at Break, MD	<u>27.0</u> MPa	<u>3920</u> psi	ASTM D- 882
Film Tensile Strength at Break, TD	<u>19.0</u> MPa	<u>2760</u> psi	ASTM D- 882
1% Secant Modulus, MD	<u>172</u> MPa	<u>25000</u> psi	ASTM D- 882
1% Secant Modulus, TD	<u>190</u> MPa	<u>27500</u> psi	ASTM D- 882

**Qualitative Processing Properties**

process Film