



## LINEAR LOW DENSITY POLYETHYLENE

### BAPOLENE<sup>®</sup> GRADE LL122B FILM RESIN

**Description:** Bapolene LL122B is a general purpose LLDPE butene copolymer for blown film extrusion applications. This resin offers excellent tensile and toughness properties. It does not contain slip or antiblock additives. This product meets FDA standards for food contact applications.

**Application:** Industrial bags, Shipping sacks, frozen food packaging, trash bags.

<u>General Properties</u>	<u>Value</u>	<u>ASTM Test Method</u>
Melt Index <sup>1</sup> , g/10 min.	1.0	D-1238
Density, g/cm <sup>3</sup>	0.918	D-1505
<u>Film Properties<sup>2</sup></u>		
Haze, %	14	D-1003
Gloss at 45°, Gardner Rating	45	D-2457
Elemendorf Tear, g/mil		
Machine Direction(MD)	170	D-1922
Transverse Direction (TD)	420	D-1922
Tensile Strength <sup>3</sup> @ Yield, psi		
MD	2,300	D-882
TD	2,420	D-882
Tensile Strength <sup>3</sup> @ Break, psi		
MD	5,600	D-882
TD	4,300	D-882
Elongation <sup>3</sup> @ Break, %		
MD	560	D-882
TD	750	D-882
Secant Modulus of Elasticity <sup>4</sup> , psi		
MD	31,000	D-882
TD	36,000	D-882
Dart Impact, 26 in, g	135	D-1709,A
Melt Temperature, °C	210-240	-----

<sup>1</sup> 190°C/2160 g

<sup>2</sup> Film thickness: 1.5 mil (0.0375 mm) ; 2:1 Blow Up Ratio

<sup>3</sup> 10 in/min

<sup>4</sup> @ 0.1 mm/mm-min Initial Strain Rate

(10/16/96)



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