

# AMERICOLENE® L0722NN

**AMERICOLENE**

## Low Density Polyethylene

### Product Description

AMERICOLENE® L0722NN is favored by customers for diverse industrial film uses requiring high impact strength, excellent drawdown, and moderate shrinkage. It boasts bubble stability, easy processing, strong tensile properties, and reliable shrinkage.

### Regulatory Status

For regulatory compliance information, see AMERICOLENE® L0722NN Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

**Status** Commercial: Active

**Availability** North America

### Application

Agriculture Film; Bags & Pouches; Bottles and Vials; Bottles For Consumer Goods; Bottles for Industrial Use; Can Liners; Caps & Closures; Film Wrap; Food Packaging Film; Lamination Film; Liner Film; Opaque Containers; Secondary Packaging; Shrink Film; Surface Protection Film

### Market

Flexible Packaging; Rigid Packaging

### Processing Method

Blown Film; Extrusion Blow Molding

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
<b>Physical</b>					
Melt Flow Rate, (190 °C/2.16 kg)	0.70	g/10 min	0.70	g/10 min	ASTM D1238
Base Resin Density, (23 °C)	0.919	g/cm <sup>3</sup>	0.919	g/cm <sup>3</sup>	ASTM D1505
Product Density, (23 °C)	0.921	g/cm <sup>3</sup>	0.921	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>					
Tensile Strength at Break	1650	psi	11.4	MPa	ASTM D638
Tensile Strength at Yield	1550	psi	10.7	MPa	ASTM D638
Tensile Elongation at Break	700	%	700	%	ASTM D638
Tensile Elongation at Yield	100	%	100	%	ASTM D638
<b>Film</b>					
Dart Drop Impact Strength, F50	130	g	130	g	ASTM D1709
Tensile Strength at Break					
MD	3400	psi	23.4	MPa	ASTM D882
TD	2400	psi	16.5	MPa	ASTM D882
Tensile Elongation at Break					
MD	160	%	160	%	ASTM D882
TD	480	%	480	%	ASTM D882
1% Secant Modulus					
MD	26000	psi	179	MPa	ASTM D882
TD	32000	psi	221	MPa	ASTM D882
Elmendorf Tear Strength					
MD	300	g	300	g	ASTM D1922
TD	180	g	180	g	ASTM D1922
<b>Hardness</b>					
Shore Hardness, (Shore D)	46		46		ASTM D2240
<b>Thermal</b>					
Vicat Softening Temperature	194	°F	90	°C	ASTM D1525
Low Temperature Brittleness, F50	-103	°F	-75	°C	ASTM D746
<b>Additive</b>					
Slip	None		None		LYB Method
Antiblock	4000	ppm	4000	ppm	LYB Method

Any inquiries regarding this data sheet should be addressed to: 11824 Jollyville Rd Austin, TX 78759 · Phone (800) 729 5417 · Fax: (512) 992 0225

The information and recommendation in this publication are, to the best of knowledge, reliable. Suggestions concerning uses are only the opinion of AMERICORP INTERNATIONAL LTD, U.S.A. and users should perform their own tests to determine the suitability of this products for their own particular purposes. However, because of the numerous factors affecting the results, AMERICORP INTERNATIONAL LTD, U.S.A. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSES, other than that the material conforms to the applicable current standard specifications statement herein, therefor, should not be construed as representations or warranties. The responsibility of AMERICORP INTERNATIONAL LTD, U.S.A. for claims arising out of breach warranty, negligence, and strict liability or otherwise is limited to the purchase price of the material. Statement concerning the use of the products of AmeriCorp described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed