

AMERICOLENE® LL118NJ

AMERICOLENE

Low Density Polyethylene

Product Description

The AMERICOLENE® LL118NJ resin series offers pelletized linear low-density polyethylene, favored by customers for its superb drawdown, toughness, puncture resistance, elongation, and heat seal strength in film extrusion applications. Common uses encompass heavy-duty shipping items, trash can liners, diverse packaging (commercial, industrial, food, and consumer). LL118NJ is available additive-free or fully formulated with slip and antiblock additives.

Regulatory Status

For regulatory info, refer to AMERICOLENE® GA501020 PSB and SDS.

Status	Commercial: Active
Availability	North America
Application	Agriculture Film; Bags & Pouches; Can Liners; Film Wrap; Food Packaging Film; Heavy Duty Packaging; Lamination Film; Liner Film; Retail Carryout Bags; Shrink Film
Market	Flexible Packaging; Rigid Packaging
Processing Method	Blown Film; Sheet and Profile Extrusion

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	1.0	g/10 min	1.0	g/10 min	ASTM D1238
Base Resin Density, (23 °C)	0.918	g/cm ³	0.918	g/cm ³	ASTM D1505
Product Density, (23 °C)	0.918	g/cm ³	0.918	g/cm ³	ASTM D1505
Film					
Dart Drop Impact Strength, F50	100	g	100	g	ASTM D1709
Tensile Strength at Break					
MD	6600	psi	45.5	MPa	ASTM D882
TD	4700	psi	32.4	MPa	ASTM D882
Tensile Elongation at Break					
MD	580	%	580	%	ASTM D882
TD	725	%	725	%	ASTM D882
1% Secant Modulus					
MD	27000	psi	186	MPa	ASTM D882
TD	28000	psi	193	MPa	ASTM D882
Elmendorf Tear Strength					
MD	125	g	125	g	ASTM D1922
TD	330	g	330	g	ASTM D1922
Thermal					
Vicat Softening Point	225	°F	107	°C	ASTM D1525
Additive					
Slip	None		None		LYB Method
Antiblock	None		None		LYB Method
Polymer Processing Aid	None		None		LYB Method

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