



LLDPE BICSOL LL318BN

Hexene Linear Low Density Polyethylene

Technical Data Sheet

BICSOL LL318BN resin is a pelletized linear low density polyethylene selected by customers for applications that require maximum strength and toughness. This product offers excellent additive homogeneity, requires no transfer equipment modification, and facilitates clean and safe handling. Typical applications include cast stretch film for pallet utilization. LL318BN resin offers enhanced film strength, drawdown, toughness, and heat seal strength.

Processing : Cast Film, Sheet and Profile Extrusion
Method

Application: Cast Stretch Film for Pallet Utilization

Additives: None

Property	Nominal Values	English Units	Nominal Values	SI Units	Test Method
Melt Flow Rate (190°C, 2.16 kg)	3.2	g/10 min	3.2	g/10 min	ASTM D1238
Base Resin Density, (23°C)	0.918	g/cm ³	0.918	g/cm ³	ASTM D792
Product Density, (23°C)	0.918	g/cm ³	0.918	g/cm ³	ASTM D792
Tensile Strength at Break MD	5670	Psi	39	MPa	ASTM D882
Tensile Strength at Break TD	3340	Psi	23	MPa	ASTM D882
Tensile Elongation at Break MD	481	%	481	%	ASTM D882
Tensile Elongation at Break TD	735	%	735	%	ASTM D882
Elmendorf Tear Strength MD	309	g	309	g	ASTM D1922
Elmendorf Tear Strength TD	764	g	764	g	ASTM D1922
Dart Drop Impact Strength (F ₅₀)	104	g	104	g	ASTM 1709
1% Secant Modulus MD	24400	Psi	168	MPa	ASTM D882
1% Secant Modulus TD	25800	Psi	178	MPa	ASTM D882
Optical Haze	1.4	%	1.4	%	ASTM D2457
Gloss, (45°C)	75	%	75	%	ASTM D1003

Notes:

*The specifications listed are based on representative samples and not the actual product shipped.

*Typical properties: these are not to be construed as specifications.