

Technical Data Sheet

Linear Low-Density Polyethylene (LLDPE) Resin for Film Extrusion

LLDPE BICSOL LL218FN is a general-purpose butene-based linear low-density film grade made using gas-phase technology.

Suggested Application: Food Packaging Industrial Liners Trash Can Liners

Additives:

Antiblock – No

Slip - No

Processing Aid - No

Property	Nominal Values	English Units	Nominal Values	SI Units	Test Method
Melt Flow Rate (190°C, 2.16 kg)	2.0/	g/10 min	2.0	g/10 min	ASTM D1238
Density, (23°C)	0.918	g/cm ³	0.918	g/cm ³	ASTM D1505
Base Density (without additives)	0.918	g/cm ³	0.918	g/cm ³	ASTM D1505
Tensile Strength at Break MD	5300	Psi	36.5	MPa	ASTM D882
Tensile Strength at Break TD	3800	Psi	26.0	Mpa	ASTM D882
Tensile Strength at Yield MD	1200	Psi	8.5	MPa	ASTM D882
Tensile Strength at Yield TD	1200	Psi	8.6	MPa	ASTM D882
Tensile Elongation at Break MD	660	%	660	%	ASTM D638
Tensile Elongation at Break TD	780	%	780	%	ASTM D638
Dart Drop Impact	70	g	70	g	ASTM D1709A
Vicat Softening Temperature	216	°F	102	°C	ASTM D1522
Melting Temperature	250	°F	121	°C	ISO3146
Gloss (45°)	22		22		ASTM D2457
Haze	29	%	29	%	ASTM D1003