



# TECHNICAL DATASHEET

## LLDPE 319BJ

LINEAR LOW DENSITY POLYETHYLENE

### DESCRIPTION

LLDPE 319BJ is a butene Linear Low Density Polyethylene for general cast extrusion film applications. Main Characteristic and Applications:

- Used in Industrial, Food & Specialty Packaging
- Better optics and processability
- Better color stability

This product is not intended for and must not be used in any pharmaceutical/medical applications.

### TYPICAL APPLICATIONS

Shipping sacks, ice bags, frozen food bags, stretch wrap film, produce bags, liners, carrier bags, garbage bags, agricultural films, laminated and coextruded films for meat wrap, frozen food and other food packaging, shrink film (for blending with LDPE), industrial consumer packaging, and high clarity film applications if blended with (10~20%) LDPE.

### TYPICAL PROPERTY VALUES

Revision  
20211203



**ALMNJAL TRADING EST**  
 PLASTIC RAW MATERIALS  
 مؤسسة المنجل للتجارة

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
Density			
Density	0.918	g/cm <sup>3</sup>	ASTM D792
Melt Flow Rate (MFR)			
at 190 °C and 2.16 kg	3.0	g/10 min	ASTM D1238
<b>OPTICAL PROPERTIES <sup>(1)</sup></b>			
Gloss			
Gloss (45°)	95	-	ASTM D2457
Haze <sup>(1)</sup>	1.34	%	ASTM D1003
<b>FILM PROPERTIES <sup>(1)</sup></b>			
Dart Impact Strength			
Dart Drop Impact	53	g	ASTM D1709
Elmendorf Tear Strength			
Tear Strength, MD	54	g	ASTM D1922
Tear Strength, TD	255	g	ASTM D1922
Tensile test film			
2% secant modulus, MD	194	MPa	ASTM D882
2% secant modulus, TD	174	MPa	ASTM D882
Stress @ Yield, MD	9.6	MPa	ASTM D882
Stress @ Yield, TD	7.7	MPa	ASTM D882
Stress @ Break, MD	28	MPa	ASTM D882
Stress @ Break, TD	16.8	MPa	ASTM D882
Strain @ Break, MD	260	%	ASTM D882
Strain @ Break, TD	570	%	ASTM D882