

## Product Data Sheet: BG-LL-20BF5

Linear Low Density PE

Film

LLDPE: BG-LL-20BF5

Density: 0.920 ± 0.002

MFI: 0.5 ± 0.1

**Feature:**

- Comonomer Butene-1 (C4)

**Application:**

- Green House Film
- Silage Film
- Heavy Duty Plastic Bags
- Hand Bags
- General Purpose

**Additive:**

- Neutralizer: Calcium Stearate
- Antioxidant: Irganox1010, Irgafos168

❖ **Material properties** (this data are typical values and shall not be construed as product specifications.)

Resin Properties	Unit	Condition	Typical Value	Test Method
Melt Flow Rate (MFR)	g/10 min	190°C/2.16 kg	0.5±0.1	ASTM D1238
Density	g/cm <sup>3</sup>	—	0.920±0.002	ASTM D1505
Physical Properties	unit	Condition	Typical value	Test method
FRR	—	Procedure D. Inc.	25	ASTM D1238
Yellowness Index	—	—	<0.5	ASTM E 313/ASTM D6290
Dart Impact	g	—	136	ASTM D1709
Haze	%	—	17	ASTM D1003
Gloss(60°)	—	—	65	ASTM D2457
Tensile Modulus (TD)	Mpa	—	288	ASTM D882
Tensile Modulus (MD)	Mpa	—	633	ASTM D882
Tensile Strength (TD)	Mpa	—	36	ASTM D882
Tensile Strength (MD)	Mpa	—	46	ASTM D882
Elongation @Break (TD)	%	—	840	ASTM D882
Elongation @Break (MD)	%	—	830	ASTM D882
Elmendorf Tear (TD)	gf/μm	—	375/37	ASTM D1922
Elmendorf Tear (MD)	gf/μm	—	266/37	ASTM D1922
Contamination	Number	—	<30	MTM 17064 E

-38μm film obtained on Dr. Collin, BUR 2-3, Temp. Profile: 153-188°C, screw speed: 90rpm. (Setting of Temp. profile: 153 -163-173 -183-188-188-188-188°C) (Temp. error.: Zone 1-6 at 150°C and 190°C:-2°C /Zone 7-9 at 190°C: - 3°C). It will be reported as Tdie:190

\* Guaranteed items: MFR & Density.

\* The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

\* It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers' particular purposes. The customer is responsible for the appropriate, safe & legal use, processing and handling of all product(s) purchased from us.

\* Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particularly, warranty of merchantability or fitness for a particular purpose.

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