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TECHNICAL DATA SHEET

Product Data sheet: BG-HD-7000F

High Density Polyethylene	*Film*	*Form: Pellet*
HDPE: BG-HD-7000F	**Density: 0.953**	**MFI: 0.04 ± 0.01**

Feature:

- Excellent mechanical
- High Stiffness
- Excellent Processability
- High tensile Strength
- Good moisture barrier
- Food contact applicable
- Low gel content

Application:

- For Tissue-like film, garment, grocery, merchandise bags, disposal waste bags, counter bags, grocery sacks, trash bags

Additive:

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❖ ***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	0.04 ± 0.01	ASTM 1238
Density	g/cm^3	23°C	0.952 ± 0.002	ISO1183
Whiteness (LC)	_	_	84 ± 0.42%	ASTM E 313-15
Non Newtonian Index (NNI)	_	_	≥100	HZ-F-122-5
Particle Size Distribution (2.5 mm)	Wt%	_	>93	ASTM 1921-18
Tensile Str. @ Yield	Kg/cm^2	MD	429	ASTM D 882
		TD	357	
Tensile Str. @ Break	Kg/cm^2	MD	1155	ASTM D 882
		TD	719	
Tensile Modulus 2% Secant	Kg/cm^2	MD	8976	ASTM D 882
		TD	9006	
Elongation @ Break	%	MD	276	ASTM D 882
		TD	586	
Elmendorf Tear Str.	Gf/micrometer	MD	6.4	ASTM D 1922
		TD	92.9	
Haze	%	_	>30	ASTM D1003
Glass	_	_	<10	ASTM D2457
VICAT	°C	_	131	ASTM D1525

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