

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: –

❖ **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