

Product Data Sheet: BG-HD-7000F

High Density Polyethylene	Film	Form: Pellet
HDPE: BG-HD-7000F	Density: 0.950-0.954	MFI: 0.03-0.05
Feature: <ul style="list-style-type: none"> • Excellent mechanical • High Stiffness • Excellent Processability • High tensile Strength • Good moisture barrier • Food contact applicable • Low gel content 	Application: <ul style="list-style-type: none"> • 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)	gr/10min	190°C/2.16 kg	0.03-0.05	ASTM 1238
Density	g/cm ³	23°C	0.950-0.954	ISO1183
Melting Point	°C	-	131	ASTM D 2117
Brittleness Temperature	°C	-	<-60	ASTM D 746
Dart Impact Strength	gr	-	139	ASTM D 1709
Tensile Str. @ Yield	Kg/cm ²	MD	-	ASTM D 882
		TD	250	
Tensile Str. @ Break	Kg/cm ²	MD	620	ASTM D 882
		TD	310	
Tensile Modulus 2% Secant	Kg/cm ²	MD	8200	ASTM D 882
		TD	8000	
Elongation @ Break	%	MD	240	ASTM D 882
		TD	450	
Elmendorf Tear Str.	gr	MD	3	ASTM D 1922
		TD	80	
VICAT	°C	-	124	ASTM D 1525