

Product Data Sheet: BG-HD-54B04 UV

High Density Polyethylene	Injection Molding	
HDPE: BG-HD-54B04 (UV)	Density: 0.952-0.956	MFI: 3.6-4.4
Feature: • Comonomer Butene-1 (C4) • Good Impact Strenght	Application: • Caps and Closures	Additive: • Acid Scavenger • Antioxidants:Irganox1010, Iragaf0168 • UV Stabilizer

* **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	3.6-4.4	ASTM D1238
Density	g/cm ²	23°C	0.952-0.956	ASTM D1505
Physical Properties	unit	Condition	Typical value	Test method
Izod Impact (notched)	J/m	23±2 °C	89	ASTM D256
Flexural Modulus	MPa	-	1090	ASTM D790
ESCR (IGEPAL 10%)	HR	(F50, 50 °C)	16	ASTM D1693
Tensile Strength @ Yield	MPa	-	28	ASTM D638
Tensile Strength @ Break	MPa	-	18	ASTM D638
Tensile Elongation @ Yield	%	-	10	ASTM D638
Tensile Elongation @ Break	%	-	900	ASTM D638
Vicat Softening Temperature	°C	at 10 N (VST/A)	134	ASTM D1525
Shore hardness(3 sec)	-	3 sec	65	ASTM D2240
Yellowness Index	-	-	-1.5	ASTM E313

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