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BAKHTAR PETROCHEMICAL COMPANY

## HIGH DENSITY POLYETHYLENE BG-HD-54B04 UV

The BG-HD-54B04 UV is a high-density polyethylene (HDPE) product known for its application in injection molding. It is characterized by high rigidity, easy processing, and UV resistance, making it suitable for a variety of applications.

Producer	Characteristic Properties	Applications	Additive
BAKHTAR	Comonomer Butene-1 (C4) Good Impact Strenght	Caps and Closures	Acid Scavenger Antioxidants:Irganox1010, Iragaf0168 - UV Stabilizer

### Typical Properties

Resin Properties	Unit	Typical	Test Method
Melt Flow Rate (MFR)	g/10 min	3.6-4.4	ASTM D-1238
Density	g/cm <sup>3</sup>	0.952-0.956	ASTM D1505
Izod Impact (notched)	J/m	89	ASTM D256
Flexural Modulus	MPa	1090	ASTM D790
ESCR (IGEPAL 10%)	HR	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	134	ASTM D1525
Shore hardness(3 sec)	-	65	ASTM D2240
Yellowness Index	-	-1.5	ASTM E313