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BAKHTAR PETROCHEMICAL COMPANY

HIGH DENSITY POLYETHYLENE BG-HD-BL3

BG-HD-BL3 is a high-density polyethylene (HDPE) grade copolymer with 1-butene as a comonomer, offering a balance of strength, stiffness, and flowability. It features high-impact strength and stress-cracking resistance, making it suitable for blow molding applications like small bottles and containers up to 5 liters.

Producer	Characteristic Properties	Applications	Additive
BAKHTAR	Comonomer Butene-1 (C4) High Stiffness - Good Flow ability Good Impact Strength-Good Stress cracking	High Density Containers with capacities ranging from a few ml up to 10 liters	Antioxidants Lubricant

Typical Properties

Resin Properties	Unit	Typical	Test Method
Melt Flow Rate (MFR)	g/10 min	1.2±0.3	ASTM D-1238
Density	g/cm ³	0.945±0.002	ASTM D-1505
Notched impact	Kj/m ²	9	ISO 179/1 EA
Swell Ratio	Mpa	110±15%	-
Tensile Modulus(MD/TD)	Mpa	1250/1250	ISO 527
Tensile STR@Break (MD/TD)	Mpa	32/32	ISO 527
Elongation @Break	%	>600	ISO 527
Elongation @Yield	%	10	ISO 527
Softening Temperatute	°C	77	ISO 306
Volatiles	Wt%	≤0.02	ASTM D 1960