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BAKHTAR PETROCHEMICAL COMPANY

HIGH DENSITY POLYETHYLENE BG-HD-CRP100

HM CRP100N, also known as PE 100N, is a natural high-density polyethylene with 1-butene as a monomer. This polymer is specifically designed for high-performance pipe extrusion and is recognized for its exceptional environmental stress crack resistance (ESCR) and hydrostatic strength.

Producer	Characteristic Properties	Applications	Additive
BAKHTAR	Commoner Butene-1 (C4) High Density Natural PE 100 Pipe resin	Top quality PE100 pressurepipes for gas and watertransportation at higher pressures	Antioxidants Lubricant

Typical Properties

Resin Properties	Unit	Typical	Test Method
Melt Flow Rate (MFR)	g/10 min	0.22±0.02	ISO1133
Melt Flow Rate (MFR)	g/10 min	6.2±1	ISO1133
Flow Rate Ratio	-	28±3	-
Density	g/cm ³	0.957±0.002	ISO1183
Notched Impact	mJ/mm ²	24	ISO179/1 eA
Hydrostatic Strength	4.5 N/mm ²	5000	ISO1167