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BAKHTAR PETROCHEMICAL COMPANY

LINEAR LOW-DENSITY POLYETHYLENE LLDPE 18B03

LLDPE 18B03 is a linear low-density polyethylene (LLDPE) film grade resin. This product is designed for applications that demand high-quality optical properties, even at low extrusion temperatures. 18B03 is easy to process, has low gel content, and blends well with LDPE.

Producer	Characteristic Properties	Applications	Additive
BAKHTAR	Comonomer Butene-1(C4)	Cast film Cross-linked conduits Medium duty packaging	Lubricant Antioxidants Acid scavenger

Typical Properties

Resin Properties	Unit	Typical	Test Method
Melt Flow Rate (MFR)	g/10 min	2.8-3.2	ASTM D1238
Density	g/cm ³	0.916-0.920	ASTM D-1505
Tensile Strength @ Break (TD/MD)	Mpa	27/29	ASTM638-02
Elongation @ Break (TD/MD)	MPa	860/900	ASTM638-02
Elmendorf Tear (TD/MD)	gf/μm	265/40	ASTM638-02
Tensile Modulus (TD/MD)	mN	340/200	ASTM D1922
Gloss	-	40	ASTM D-2457
Haze	%	30	ASTM D-1003
FRR	-	24-26	ASTM D-1238
Contamination	Number	<30	MTM 17064 E
Dart Impact	gr	120	ASTM D-1709/a
Yellowness Index	-	<0.5	ASTMD6290