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BAKHTAR PETROCHEMICAL COMPANY

LOW DENSITY POLYETHYLENE LDPE 2420E02

LDPE 2420E02 is a high-clarity, non-additivated low-density polyethylene resin, known for its excellent mechanical properties and versatility.

Producer	Characteristic Properties	Applications
BAKHTAR	Good optical properties	Food packaging FFS films and bags Lamination films - Fine shrink films Functional layer in cast films

Typical Properties

Resin Properties	Unit	Typical	Test Method
Melt Flow Rate (MFR)	gr/10min	1.95±0.25	ISO 1133
Density	g/cm ³	0.9235±0.0015	ISO 1183
Melting point	°C	111	ISO 3146
Vicat	°C	94	ISO 306
Dart Drop Impact	g	>110	ASTM D 1709
Haze	%	≤ 6.5	ASTM D 1003
Gloss 20 °C	-	>50	ASTM D 2457
Tensile Modulus	Mpa	260	ISO 527
Stress @ Yeild	Mpa	11	ISO 527
Tensile Strength	Mpa	MD=23±3, TD=16.5±1.5	ISO 527
Elongation@Break	%	MD=250, TD=600	ISO 527
Ball Indentation Hardness H	Mpa	18	ISO 2039-1
Shore D Hardness	-	48	ISO 868
Failure Energy	J/mm	4	DIN 53373
coefficient of friction	%	55	ISO 8295