



SHOBEIR SHIMI
WWW.SHOBEIRSHIMI.COM
info@shobeirshimi.com

BAKHTAR PETROCHEMICAL COMPANY

LOW-DENSITY POLYETHYLENE BG-HD-2520E22

LDPE 2520E22 is a precision-engineered low-density polyethylene (density: 0.919 ± 0.002 g/ml, MFI: 22) designed for injection molding applications. This technical polymer combines exceptional process consistency with balanced mechanical properties (175 MPa modulus, >400% elongation), serving consumer product manufacturing and masterbatch formulation requirements.

Producer	Characteristic Properties	Applications	Additive
BAKHTAR	Unique combination of consistent process ability, flexibility and toughness	Injection molded articles (toy, cap, household articles, etc.) Base resin for masterbatch	With Antioxidant

Typical Properties

Resin Properties	Unit	Typical	Test Method
Melt Flow Rate (MFR)	g/10 min	22	ISO 1133
Density	gr/ml	0.919 ± 0.002	ISO 1183 A
Stress at Yield	Mpa	8	ISO 527
Stress at Break	%	7	ISO 527
Strain at Break	%	>400	ISO 527
Tensile Modulus	MPA	175	ISO 527
Creep Modulus after 1 hour	MPA	80	ISO 899
Creep Modulus after 1000	MPA	45	ISO 899
Notched Izod at +23°C	kJ/m ²	42	ISO 180 A
Vicat Softening Temperature	°C	82	ISO 306
Melting Temperature	°C	105	ISO 3146
Deflection Temperature Under	°C	39	ISO 75
Melting Enthalpy	J/g	104	ISO 3146