



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

AMIR KABIR PETROCHEMICAL COMPANY

## LOW DENSITY POLYETHYLENE LDPE 2420D

Lupolen 2420D is a non-additivated polymer characterized by high melt strength, which contributes to good bubble stability during blown film extrusion. This material is supplied in pellet form and is primarily used in applications such as bags, pouches, and various types of films, including agricultural and shrink films.

Producer	Characteristic Properties	Applications
AMIR KABIR	Good Processability, Good Tear strength, Good Toughness	Flexible packaging Heavy-duty films - Agricultural films Bottles and containers for consumer goods

### Typical Properties

Resin Properties	Unit	Typical	Test Method
Density	g/cm <sup>3</sup>	0.923	ISO 1183
Melt flow rate (MFR)(18°C/2.16K)	g/10min	0.25	ISO 1133
Tensile Modulus	MPa	240	ISO 527-1, -2
Tensile Stress at Yield	MPa	10	ISO 527-1, -2
Tensile Strength at Break MD/TD	MPa	27/20	ISO 527-1, -3
Tensile Strain at Break MC/TD	%	200/500	ISO 527-1, -3
Dart Drop Impact(50 blown fitm)	g	250	ASTM D 1709
Vicat softening temp(A50 150 °C/h 10N)	°C	94	ISO 306
Haze (50)	%	<14	ASTM D 1003
Gloss (60,50)	-	>50	ASTM D 2457