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AMIR KABIR PETROCHEMICAL COMPANY

## LOW DENSITY POLYETHYLENE LDPE 2420 K

LDPE 2420 K, also known as Lupolen 2420K, is a non-additivated low-density polyethylene produced by Amir Kabir Petrochemical Company. It is delivered in pellet form and is characterized by several key properties and applications.

Producer	Characteristic Properties	Applications
AMIR KABIR	Good Heat Seal, Good Optical Processability, Good Processability	Food Grade - Coatings Protective - Shrink Film Surface Protection Film

### Typical Properties

Resin Properties	Unit	Typical	Test Method
Density	g/cm <sup>3</sup>	0.924	ISO 1183
Melt flow rate (MFR) (190 °C /2.16Kg)	g/10 min	4	ISO 1133
Tensile Modulus	MPa	260	ISO 527-1, -2
Tensile Stress at Yield	MPa	11	ISO 527-1, -2
Tensile Strength MD/TD	MPa	22/17	ISO 527-1, -3
Tensile Strain at Break MD/TD	%	300/600	ISO 527-1, -3
Dart Drop Impact (50μ Blown Film)	g	100	ASTM D 1709
Vicat Softening Temperature	°C	92	ISO 306/A50
Haze (50μ)	%	<8.0	ASTM D 1003
Gloss (60 °, 50μ)	-	>105	ASTM D 2457