



# LDPE/2420D

Linear Low Density polyethylene 2420D

2420D polyethylene or 2420D material is a light film grade of polyethylene. this grade is used to produce medium-thickness films without a package of additives such as anti-block and slip agent.

the recommended thickness is 70 to 220 microns. This grade is not suitable for medicinal purposes.

## Producer:

Amirkabir Petrochemical Company

No	Property	Value	Units	Test Method
1	Melt Flow Rate (190°C,2.16kg)	0.25	g/10min	ISO 1183
2	Density	0.923	g/10 min	ISO 1183
3	Tensile Modulus	240	MPa	ISO 527-1,-2
4	Tensile Stress at Yield	10	MPa	ISO 527-1,-2
5	Tensile Strength at break MD/TD	27/20	MPa	ISO 527-1,-3
6	Tensile Strain at Break MD/TD	200/500	%	ISO 527-1,-3
7	Vicat softening point (A50(50°C/h 10N)	250	g	ASTM D 1709
8	Vicat softening point (A50(50°C /h 10N)	94	°C	ISO 306
9	Haze(50)	<14	%	ASTM D 1003
10	Gloss(60°,50°)	>50	-	ASTM D2457

## Applications:

- Heavy duty carrier bags
- Bags and pouches
- Agricultural films
- shrink films
- Construction films

