



A M I R K A B I R P E T R O C H E M I C A L C O M P A N Y

**1 Product Description:**

Typical application include caps & closures, engineering parts and lesiure & sports equipment.

**2 Applications:**

- Caps & Closures
- Sports
- Leisure and Toys

**3 Processing Method:**

- Injection Moulding

**4 Features:**

Fast Cycle(Production), Low Density, Good Flexibility, Good Processability



No.	Property	Value	Units	Test Method
1 ▶	Density	0.917	g/cm <sup>3</sup>	ISO 1183
2 ▶	Melt flow rate (MFR)(190°C/2.16Kg)	20.0	g/10 min	ISO1133
3 ▶	Tensile Modulus	150	MPa	ISO 527-1, -2
4 ▶	Tensile Stress at Yield	8.0	MPa	ISO 527-1, -2
5 ▶	Vicat softening temp (A50 (50 °C/h 10N))	80	°C	ISO 306

Typical properties:  
not to be construed as specifications



# AMIR KABIR PETROCHEMICAL COMPANY

## LDPE Lupolen 2420 D



A M I R K A B I R P E T R O C H E M I C A L C O M P A N Y

### 1 Product Description:

Lupolen 2420 D is a non-additivated, low density Polyethylene. It is delivered in pellet form.

### 2 Applications:

- Bags & Pouches
- Bottles for Consumer Goods
- Shrink Film
- Blown Film
- Film

### 3 Processing Method:

- Blown Film
- Injection Moulding
- Extrusion Blow Moulding

### 4 Features:

Good Processability, Good Tear strength, Good Toughness

LDPE

No.	Property	Value	Units	Test Method
1 ▶	Density	0.923	g/cm <sup>3</sup>	ISO 1183
2 ▶	Melt flow rate (MFR)(190°C/2.16Kg)	0.25	g/10 min	ISO 1133
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 ▶	Dart Drop Impact(50 blown film)	250	g	ASTM D 1709
8 ▶	Vicat softening temp(A50 (50 °C/h 10N))	94	°C	ISO 306
9 ▶	Haze (50)	<14	%	ASTM D 1003
10 ▶	Gloss (60 °,50)	>50		ASTM D 2457

Typical properties:  
not to be construed as specifications

AKPC

# AMIR KABIR PETROCHEMICAL COMPANY

## LDPE Lupolen 2420 F

LDPE



A M I R K A B I R P E T R O C H E M I C A L C O M P A N Y

### 1 Product Description:

Lupolen 2420 F is a non-additivated, low density Polyethylene. It is delivered in pellet form.

### 2 Applications:

- Bags & Pouches
- Blow Moulding Application
- Shrink Film
- Blown Film
- Film

### 3 Processing Method:

- Blown Film
- Injection Moulding
- Extrusion Blow Moulding

### 4 Features:

Good Heat Seal, Optical, Good Processability, Good Melt Strength

No.	Property	Value	Units	Test Method
1 ▶	Density	0.923	g/cm <sup>3</sup>	ISO 1183
2 ▶	Melt flow rate (MFR)(190°C/2.16Kg)	0.75	g/10 min	ISO 1133
3 ▶	Tensile Modulus	260	MPa	ISO 527-1, -2
4 ▶	Tensile Stress at Yield	11	MPa	ISO 527-1, -2
5 ▶	Tensile Strength MD/TD	26/20	MPa	ISO 527-1, -3
6 ▶	Tensile Strain at Break MD/TD	300/600	%	ISO 527-1, -3
7 ▶	Dart Drop Impact(50 blown film)	150	g	ASTM D 1709
8 ▶	Vicat softening temp(A50 (50 °C/h 10N))	96	°C	ISO 306
9 ▶	Haze (50)	<8.0	%	ASTM D 1003
10 ▶	Gloss (60 °, 50)	>90		ASTM D 2457

Typical properties:  
not to be construed as specifications

AKPC

# AMIR KABIR PETROCHEMICAL COMPANY

## LDPE Lupolen 2420 H



A M I R K A B I R P E T R O C H E M I C A L C O M P A N Y

### 1 Product Description:

Lupolen 2420 H is a non-additivated, low density Polyethylene. It is delivered in pellet form.

### 2 Applications:

- Bags & Pouches
- Film
- Shrink Film
- Blown Film
- Cast Film

### 3 Processing Method:

- Cast Film
- Blown Film

### 4 Features:

Good Heat Seal, Optical, Good Processability

LDPE

No.	Property	Value	Units	Test Method
1 ▶	Density	0.924	g/cm <sup>3</sup>	ISO 1183
2 ▶	Melt flow rate (MFR)(190°C/2.16Kg)	1.9	g/10 min	ISO 1133
3 ▶	Tensile Modulus	260	MPa	ISO 527-1, -2
4 ▶	Tensile Stress at Yield	11	MPa	ISO 527-1, -2
5 ▶	Tensile Strength at Break MD/TD	26/18	MPa	ISO 527-1, -3
6 ▶	Tensile Strain at Break MD/TD	250/600	%	ISO 527-1, -3
7 ▶	Dart Drop Impact(50 blown film)	110	g	ASTM D 1709
8 ▶	Vicat softening temp(A50 (50 °C/h 10N))	94	°C	ISO 306
9 ▶	Haze (50)	<8.0	%	ASTM D 1003
10 ▶	Gloss (60 °,50)	>100		ASTM D 2457

Typical properties:  
not to be construed as specifications

AKPC

# AMIR KABIR PETROCHEMICAL COMPANY

## LDPE Lupolen 2426 F

LDPE



A M I R K A B I R P E T R O C H E M I C A L C O M P A N Y

### 1 Product Description:

Lupolen 2426 F is an additivated, low density Polyethylene. It contains slip and anti-blocking agent. It is delivered in pellet form.

### 2 Applications:

- Cast & Blown Film
- Bags & Pouches
- Film & Shrink Film
- Food Packaging Film
- Surface Protection Film

### 3 Processing Method:

- Blown Film

### 4 Features:

Unspecified Antiblocking, Opticals, Good Processability, Unspecified Slip, Low Friction

No.	Property	Value	Units	Test Method
1	Density	0.924	g/cm <sup>3</sup>	ISO 1183
2	Melt flow rate (MFR)(190°C/2.16Kg)	0.75	g/10 min	ISO 1133
3	Tensile Modulus	260	MPa	ISO 527-1, -2
4	Tensile Stress at Yield	11	MPa	ISO 527-1, -2
5	Tensile Strength MD/TD	26/20	MPa	ISO 527-1, -3
6	Tensile Strain at Break MD/TD	300/600	%	ISO 527-1, -3
7	Dart Drop Impact(50 blown film)	150	g	ASTM D 1709
8	Vicat softening temp(A50 (50 °C/h 10N))	96	°C	ISO 306
9	Haze (50)	<9.0	%	ASTM D 1003
10	Gloss (60 °, 50)	>90		ASTM D 2457

Typical properties:  
not to be construed as specifications

AKPC



A M I R K A B I R P E T R O C H E M I C A L C O M P A N Y

**1 Product Description:**

Lupolen 2426 H is an additivated, low density Polyethylene. It contains slip and anti-blocking agent. It is delivered in pellet form.

**2 Applications:**

- Cast Film
- Bags&Pouches
- Film &Shrink Film
- Blown Film
- Surfacen Protection Film

**3 Processing Method:**

- Cast Film
- Blown Film

**4 Features:**

Unspecified Antiblocking, Opticals, Good Processability, Unspecified Slip, Low Friction

LDPE

No.	Property	Value	Units	Test Method
1 ▶	Density	0.924	g/cm <sup>3</sup>	ISO 1183
2 ▶	Melt flow rate (MFR)(190°C/2.16Kg)	1.9	g/10 min	ISO 1133
3 ▶	Tensile Modulus	260	MPa	ISO 527-1, -2
4 ▶	Tensile Stress at Yield	11	MPa	ISO 527-1, -2
5 ▶	Tensile Strength MD/TD	26/18	MPa	ISO 527-1, -3
6 ▶	Tensile Strain at Break MD/TD	250/600	%	ISO 527-1, -3
7 ▶	Dart Drop Impact(50 blown film)	110	g	ASTM D 1709
8 ▶	Vicat softening temp(A50 (50 °C/h 10N))	94	°C	ISO 306
9 ▶	Haze (50)	<9.0	%	ASTM D 1003
10 ▶	Gloss (60 °,50)	>100		ASTM D 2457

Typical properties:  
not to be construed as specifications

AKPC



A M I R K A B I R P E T R O C H E M I C A L C O M P A N Y

**1** Product Description:

Lupolen 2426 K is an additivated, low density Polyethylene. It contains slip and anti-blocking agent. It is delivered in pellet form.

**2** Applications:

- Cast Film
- Food Packaging Film
- Film & Shrink Film
- Blown Film
- Surface Protection Film

**3** Features:

**3) Features:** Unspecified Antiblocking, Optical, Good Processability, Unspecified Slip, Low Friction

No.	Property	Value	Units	Test Method
1 ▶	Density	0.924	g/cm <sup>3</sup>	ISO 1183
2 ▶	Melt flow rate (MFR)(190°C/2.16Kg)	4	g/10 min	ISO 1133
3 ▶	Tensile Modulus	260	MPa	ISO 527-1, -2
4 ▶	Tensile Stress at Yield	11	MPa	ISO 527-1, -2
5 ▶	Tensile Strength MD/TD	22/15	MPa	ISO 527-1, -3
6 ▶	Tensile Strain at Break MD/TD	300/600	%	ISO 527-1, -3
7 ▶	Dart Drop Impact(50 blown film)	100	g	ASTM D 1709
8 ▶	Vicat softening temp(A50 (50 °C/h 10N))	92	°C	ISO 306
9 ▶	Haze (50)	<9.0	%	ASTM D 1003
10 ▶	Gloss (60 °,50)	>105		ASTM D 2457

Typical properties:  
not to be construed as specifications



# AMIR KABIR PETROCHEMICAL COMPANY

## LDPE Lupolen 3020 F



A M I R K A B I R P E T R O C H E M I C A L C O M P A N Y

### 1 Product Description:

Lupolen 3020 F is a non-additivated, low density polyethylene with high rigidity, good opticals and good chemical resistance. It is delivered in pellet form.

### 2 Applications:

- Bags & Pouches
- Cast & Blown Film
- Film & Shrink Film
- Food Packaging Film
- Surfacen Protection Film

### 3 Processing Method:

- Blown Film

### 4 Features:

Opticals, Good Processability, Good Stiffness

LDPE

No.	Property	Value	Unit	Test Method
1	Density	0.927	g/cm <sup>3</sup>	ISO 1183
2	Melt flow rate (MFR)(190°C/2.16Kg)	0.9	g/10 min	ISO 1133
3	Tensile Modulus	300	MPa	ISO 527-1, -2
4	Tensile Stress at Yield	13.0	MPa	ISO 527-1, -2
5	Tensile Strength MD/TD	27/19	MPa	ISO 527-1, -3
6	Tensile Strain Break MD/TD	300/600	%	ISO 527-1, -3
7	Dart Drop Impact (50 blown film)	120	g	ASTM D 1709
8	Vicat softening temp (A50 (50 °C/h 10N))	100	°C	ISO 306
9	Haze (50)	<6.5	%	ASTM D 1003
10	Gloss (60 ° ,50)	>100		ASTM D 2457

Typical properties:  
not to be construed as specifications

AKPC





A M I R K A B I R P E T R O C H E M I C A L C O M P A N Y

**1 Product Description:**

Lupolen 3020 H is a non -additivated,low density Polyethylene with high rigidity ,good opticals and good chemical resistance.It is delivered in pellet form.

**2 Applications:**

- Cast & Blown Film
- Bags&Pouches
- Film &Shrink Film
- Food Packaging Film
- Surfacen Protection Film

**3 Processing Method:**

- Cast Film
- Blown Film

**4 Features:**

Good Heat Seal, Optical, Good Processability, Good Stiffness

No.	Property	Value	Units	Test Method
1 ▶	Density	0.927	g/cm <sup>3</sup>	ISO 1183
2 ▶	Melt flow rate (MFR)(190°C/2.16Kg)	2.0	g/10 min	ISO 1133
3 ▶	Tensile Modulus	300	MPa	ISO 527-1, -2
4 ▶	Tensile Stress at Yield	13	MPa	ISO 527-1, -2
5 ▶	Tensile Strength MD/TD	25/18	MPa	ISO 527-1, -3
6 ▶	Tensile Strain at Break MD/TD	350/600	%	ISO 527-1, -3
7 ▶	Dart Drop Impact(50 blown film)	110	g	ASTM D 1709
8 ▶	Vicat softening temp(A50 (50 °C/h 10N))	100	°C	ISO 306
9 ▶	Haze (50)	<6.5	%	ASTM D 1003
10 ▶	Gloss (60 °,50)	>110		ASTM D 2457

Typical properties:  
not to be construed as specifications

AKPC



A M I R K A B I R P E T R O C H E M I C A L C O M P A N Y

**1 Product Description:**

Lupolen 3020 K is a non -additivated,low density Polyethylene with high rigidity ,good opticals & good chemical resistance.It is delivered in pellet form

**2 Applications:**

- Cast & Blown Film
- Lamination Film
- Film &Shrink Film
- Food Packaging Film
- Surfacen Protection Film

**3 Processing Method:**

- Cast Film
- Blown Film
- Injection Moulding

**4 Features:**

Good Heat Seal, Optical, Good Processability, Good Stiffness

LDPE

No.	Property	Value	Units	Test Method
1 ▶	Density	0.927	g/cm <sup>3</sup>	ISO 1183
2 ▶	Melt flow rate (MFR)(190°C/2.16Kg)	4.0	g/10 min	ISO 1133
3 ▶	Tensile Modulus	300	MPa	ISO 527-1, -2
4 ▶	Tensile Stress at Yield	13.0	MPa	ISO 527-1, -2
5 ▶	Tensile Strength MD/TD	20/15	MPa	ISO 527-1, -3
6 ▶	Tensile Strain at Break MD/TD	350/600	%	ISO 527-1, -3
7 ▶	Dart Drop Impact(50 blown film)	100	g	ASTM D 1709
8 ▶	Vicat softening temp(A50 (50 °C/h 10N))	97	°C	ISO 306
9 ▶	Haze (50)	<6.5	%	ASTM D 1003
10 ▶	Gloss (60 °,50)	>115		ASTM D 2457

Typical properties:  
not to be construed as specifications

AKPC

# AMIR KABIR PETROCHEMICAL COMPANY

## LDPE Lupolen 3026 H

LDPE



A M I R K A B I R P E T R O C H E M I C A L C O M P A N Y

### 1 Product Description:

Lupolen 3026 H is an additivated, low density Polyethylene with high rigidity. It contains slip & anti-blocking agent. It is delivered in pellet form.

### 2 Applications:

- Cast & Blown Film
- Bags & Pouches
- Film & Shrink Film
- Food Packaging Film
- Surfacen Protection Film

### 3 Processing Method:

- Cast Film
- Blown Film

### 4 Features:

Opticals, Good Processability, Unspecified Slip, Low Friction, Good Stiffness

No.	Property	Value	Units	Test Method
1	Density	0.927	g/cm <sup>3</sup>	ISO 1183
2	Melt flow rate (MFR)(190°C/2.16Kg)	2.0	g/10 min	ISO 1133
3	Tensile Modulus	300	MPa	ISO 527-1, -2
4	Tensile Stress at Yield	13.0	MPa	ISO 527-1, -2
5	Tensile Strength MD/TD	25/18	MPa	ISO 527-1, -3
6	Tensile Strain at Break MD/TD	350/600	%	ISO 527-1, -3
7	Dart Drop Impact(50 blown film)	110	g	ASTM D 1709
8	Vicat softening temp(A50 (50 °C/h 10N))	100	°C	ISO 306
9	Haze (50)	<7.0	%	ASTM D 1003
10	Gloss (60 °,50)	>110		ASTM D 2457

Typical properties:  
not to be construed as specifications

AKPC

# AMIR KABIR PETROCHEMICAL COMPANY

## LDPE Lupolen 3026 K



A M I R K A B I R P E T R O C H E M I C A L C O M P A N Y

### 1 Product Description:

Lupolen 3026 K is an additivated, low density Polyethylene with high rigidity. It contains slip & anti blocking agent. It is delivered in pellet form.

### 2 Applications:

- Cast & Blown Film
- Lamination Film
- Film & Shrink Film
- Food Packaging Film
- Surfacen Protection Film

### 3 Processing Method:

- Cast Film
- Blown Film
- Injection Moulding

### 4 Features:

Unspecified Antiblocking, Opticals, Good Processability, Unspecified Slip, Low Friction, Good Stiffness

LDPE

No.	Property	Value	Unit	Test Method
1	Density	0.927	g/cm <sup>3</sup>	ISO 1183
2	Melt flow rate (MFR)(190°C/2.16Kg)	4.0	g/10 min	ISO 1133
3	Tensile Modulus	300	MPa	ISO 527-1, -2
4	Tensile Stress at Yield	13.0	MPa	ISO 527-1, -2
5	Tensile Strength MD/TD	20/15	MPa	ISO 527-1, -3
6	Tensile Strain Break MD/TD	350/600	%	ISO 527-1, -3
7	Dart Drop Impact (50 blown film)	100	g	ASTM D 1709
8	Vicat softening temp (A50 (50 °C/h 10N))	97	°C	ISO 306
9	Haze (50)	<6.0	%	ASTM D 1003
10	Gloss (60 ° ,50)	>105		ASTM D 2457

Typical properties:  
not to be construed as specifications

AKPC