



1 Product Description:

“LL0205AA” is a LLDPE copolymer with butene as comonomer which contains anti-oxidant. This grade is especially suitable for use pure for handwrap stretch film or blended with LDPE for Heavy duty sacks. Film made from LL0205AA shows improved toughness compared to standard 1 MFR LLDPE butene Copolymer.
 Neutralizer: calcium stearate
 Antioxidant: Irganox1010, Irganox168

2 Applications:

- Heavy duty sacks, mulch films.
- Stretch film, liners, geomembrane.

LLDPE

No.	Property	Value	Unit	Test Method
1	MFR (190°C/2.16kg)	0.5	g/10min	ISO 1133
2	Density	920	Kg/m ³	ISO 1183
3	Tensile strength at yield MD/TD	10/11	MPa	ISO 527
4	Tensile strength at break MD/TD	42/35	MPa	ISO 527
5	Elongation at break MD/TD	600/700	%	ISO 527
6	Tear strength MD/TD	155/375	g/25µm	ASTM D 1922
7	Dart drop impact	160	g	ASTM D 1709

Typical properties:
 these are not to be construed as specifications.



LLDPE

1 Product Description:

“LL 0209AA” is a LLDPE copolymer with butene as comonomer which contains antioxidant. It is recommended for general purpose applications. It is suitable for blending with conventional LDPE. Film made from pure LL 02090 AA has the following advantages over conventional LDPE:
 Better sealing, higher puncture resistance.
 Greater drawdown capability.
 Higher tensile strength.
 Neutralizer: Calcium Stearate.
 Antioxidant: Irganox1010, Irganox168

2 Applications:

- Food Grade
- Heave duty sacks, agricultural films, liners.
- Produce bags, stretch film



No.	Property	Result	Value	Unit	Test Method
1	MFR (190°C/2.16kg)		0.9	g/10min	ISO 1133
2	Density		920	Kg/m ³	ISO 1183
3	Tensile Strength at Yield MD/TD		10/11	MPa	ISO 527
4	Tensile Strength at Break MD/TD		41/32	MPa	ISO 527
5	Elongation at Break MD/TD		620/840	%	ISO 527
6	Tear Strength MD/TD		145/370	g/25μ	ASTM D1922
7	Dart Drop Impact		130	g	ASTM D1709

Typical properties:
 these are not to be construed as specifications.

AMIR KABIR PETROCHEMICAL COMPANY

LLDPE LLO209 KJ or SR

Linear Low Density Polyethylene



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:



“LL 0209KJ” is a LLDPE copolymer with butene as comonomer which contains antioxidant, Slip and antiblock additives. It gives film of high slip which is easily separable.

It is recommended for general purpose applications. It is suitable for blending with conventional LDPE. Film made from pure LL 0209 KJ has the following advantages over conventional LDPE:

- Easier sealing.
- Greater drawdown capability.
- Higher tensile strength.
- Higher puncture resistance.

2 Applications:

- Food Grade
- refuse sacks.
- produce bags, carrier bags.

LLDPE

High Slip/Antiblock Grade		
Additive	Silica	Talc
Neutralizer	Calcium Stearate	Calcium Stearate
Antioxidant	Irganox1010 , Irgafos168	Irganox1010 , Irgafos168
Antiblock	Siloblock47	Talc ABT 250
Slip	Erucamide	Erucamide

No.	Property	Value	Unit	Test Method
1	MFR (190°C/2.16kg)	0.9	g/10min	ISO 1133
2	Density	921	Kg/m ³	ISO 1183
3	Tensile Strength at Yield MD/TD	10/11	MPa	ISO 527
4	Tensile Strength at Break MD/TD	41/32	MPa	ISO 527
5	Elongation at Break MD/TD	620/840	%	ISO 527
6	Tear Strength MD/TD	145/370	g/25μ	ASTM D1922
7	Dart Drop Impact	150	g	ASTM D1709

Typical properties:
these are 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:

“LL 0220 AA” is a LLDPE copolymer with butene as comonomer which contains antioxidant. This grade is suitable for the production of blown film for light duty applications and for the production of cast stretch film. Film made from LL 0220 AA can be produced at higher output compared to standard 1 MFR LLDPE butene copolymers. Neutralizer: Zinc Oxide Antioxidant: Irganox1010, Irganox168

2 Applications:

- Food Grade
- Light and medium duty film.
- Stretch film.



LLDPE

No.	Property	Value	Unit	Test Method
1	Melt Flow Rate (2.16kg)	2.2	g/10min	ISO 1133
2	Density	920	Kg/m ³	ISO 1183
3	Tensile Strength at Yield MD/TD	10/11	MPa	ISO 527
4	Tensile Strength at Break MD/TD	36/28	MPa	ISO 527
5	Elongation at Break MD/TD	600/800	%	ISO 527
6	Tear Strength MD/TD	110/300	g/25μ	ASTM D1922
7	Dart Drop Impact	130	g	ASTM D1709
8	Vicat Softening T°	93	°C	ISO 306

Typical properties:
these are not to be construed as specifications.

AKPC

AMIR KABIR PETROCHEMICAL COMPANY

LLDPE LLO220 KJ

Linear Low Density Polyethylene



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:

“LL 0220 KJ” is a LLDPE copolymer with butene-1 as comonomer which contains antioxidant, slip and antilock additives. This grade is suitable for the production of blown film for light duty applications with a high slip requirement. Film made from LL 0220 KJ can be produced at higher output compared to standard 1 MFR LLDPE butene copolymers.

2 Applications:

- Light and medium duty film.



Medium Slip/Antiblock Grade		
Additive	Silica	Talc
Neutralizer	Calcium Stearate	Calcium Stearate
Antioxidant	Irganox1010 , Irgafos168	Irganox1010 , Irgafos168
Antiblock	Siloblock47	Talc ABT 250
Slip	Erucamide	Erucamide

No.	Property	Value	Unit	Test Method
1	Melt Flow Rate (2.16kg)	2.4	g/10min	ISO 1133
2	Density	921	Kg/m ³	ISO 1183
3	Tensile Strength at Yield MD/TD	10/11	MPa	ISO 527
4	Tensile Strength at Break MD/TD	36/28	MPa	ISO 527
5	Elongation at Break MD/TD	600/800	%	ISO 527
6	Tear Strength MD/TD	110/300	g/25μ	ASTM D1922
7	Dart Drop Impact	130	g	ASTM D1709
8	Vicat Softening T°	93	°C	ISO 306

Typical properties:
these are 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

LLDPE

1 Product Description:

“HD 5218 EA” is an easy flow high density polyethylene copolymer grade with a narrow molecular weight distribution, suitable for thin wall injection moulding applications.

HD5218EA has the following characteristics:

- Good flow.
- High warpage resistance.
- Suitable for fast cycling applications.
- Additive: Neutralizer; Calcium Stearate - Antioxidant: Irgafos168,DSTDP

2 Applications:

- Housewares.
- Thin walled food containers.
- PET bottle base cup.



No.	Property	Value	Unit	Test Method
1	Melt Flow Rate (2.16kg)	18	g/10min	ISO 1133
2	Density	952	Kg/m ³	ISO 1183
3	Tensile Strength at Yield	27	MPa	ISO 527
4	Elongation at Break	>1000	%	ISO 527
5	Flexural Modulus	1050	MPa	ISO 178 -1975
6	Charpy Impact Resistance	5	Kj/m ²	ISO 179
7	Vicat Softening T	123	°C	ISO 306

Typical properties:
these are 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:

“HD 5226 EA” is an easy flow high density polyethylene copolymer grade with a narrow molecular weight distribution, suitable for thin wall injection moulding applications.

HD5226 EA has the following characteristics:

High flow.

High warpage resistance.

Suitable for very fast cycling applications.

Additive: Neutralizer; Calcium Stearate - Antioxidant: Irgafos168, DSTDP



2 Applications:

- Housewares.
- Thin walled food containers.
- PET bottle base cup.



LLDPE

No.	Property	Value	Unit	Test Method
1	Melt Flow Rate (2.16kg)	30	g/10min	ISO 1133
2	Density	953	Kg/m ³	ISO 1183
3	Tensile Strength at Yield	27	MPa	ISO 527
4	Elongation at Break	>1000	%	ISO 527
5	Flexural Modulus	1050	MPa	ISO 178 -1975
6	Charpy Impact Resistance	4	Kj/m ²	ISO 179
7	Vicat Softening T°	123	°C	ISO 306

Typical properties:
these are not to be construed as specifications.

AKPC



1 Product Description:

“HD6070 EA” is a high density polyethylene grade with a narrow molecular weight distribution, suitable for a wide range of injection moulding applications.

HD 6070 EA has the following characteristic:

Easy processing.

High rigidity.

Good impact strength.

High warpage resistance.

Additive:

Neutralizer; Calcium Stearate - Antioxidant: DSTDP



2 Applications:

- Crates.
- Boxes.
- Seats.
- Pallets.



LLDPE

No.	Property	Value	Unit	Test Method
1	Melt Flow Rate (2.16kg)	8.4	g/10min	ISO 1133
2	Density	960	Kg/m ³	ISO 1183
3	Tensile Strength at Yield	31	MPa	ISO 527
4	Elongation at Break	>1000	%	ISO 527
5	Flexural Modulus	1400	MPa	ISO 178-1975
6	ESCR F50 ,23°C	55	hours	ASTM D 1693
7	Charpy Impact Resistance	6	Kj/m ²	ISO 179

Typical properties:
these are not to be construed as specifications.



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:

“HD 6070 UA” is a UV stabilized high density polyethylene grade with a narrow molecular weight distribution, suitable for a wide range of injection moulding applications.

HD 6070 UA has the following characteristics:

Easy processing.

High rigidity.

Good impact strength.

High warpage resistance.

Additive: Neutralizer; Calcium Stearate - Antioxidant: Irgafos168 - Anti UV: Chimasorb 944



2 Applications:

- Crates.
- Boxes.
- Seats.
- Pallets.



LLDPE

No.	Property	Value	Unit	Test Method
1	Melt Flow Rate (2.16kg)	8.4	g/10min	ISO 1133
2	Density	960	Kg/m ³	ISO 1183
3	Tensile Strength at Yield	31	MPa	ISO 527
4	Elongation at Break	>1000	%	ISO 527
5	Flexural Modulus	1400	MPa	ISO 178-1975
6	ESCR F50 ,23°C	55	hours	ASTM D 1693
7	Charpy Impact Resistance	6	Kj/m ²	ISO 179

Typical properties:
these are not to be construed as specifications.

AKPC