

## Technical Brochure 2018



AKPC Site



PDF download

### Tehran:

NO.21, Nafisi St. [23 East] Southern Sarafha Ave,  
Saadat Abad, Tehran, Iran.

Tel: [+98-21] 87750  
P.O BOX: 1998833772  
Email: sales@akpc.ir

### Complex Address:

AKPC Site 4 Special,  
Economic Zone Mahshahr  
Khuzestan, province Iran.  
Tel: [+98-61521] 74555  
Fax:[+98-61521] 74114  
P.O BOX: 63751-75139  
www.akpc.ir

## AKPC Production Capacity

PLANT	ANNUAL PRODUCTION	LICENSOR
Ethylen	520 kt / Year	Lindeh
LDPE	300 kt / Year	Basell
LLDPE	260 kt / Year	BP
HDPE	140 kt / Year	Basell
Propylene	154 kt / Year	Lindeh
DPG	134 kt / Year	Lindeh
C4 Cut	104 kt / Year	Lindeh
1,3-Butadiene	51 kt / Year	BASF
BUtane-1	20 kt / Year	AFP
PE-WAX	1.5 kt / Year	Basell

## Current Products

### Regular

GRADE	APPLICATION	MFI g/10min	DENSITY gr/cm <sup>3</sup>
LLDPE LL0209 AA	• Food Grade • Heave duty sacks, • Agricultural films, liners • Produce bags, Stretch film	0.9	920
HDPE EX3	• Food Grade • Pipe Extrusion Drinking water and gas pipes	0.45	0.945
LDPE 2420 H	• Food Grade • Bags & Pouches • Film • Shrink Film • Blown Film • Cast Film	1.9	0.924
LDPE 2420 D	• Food Grade • Bags & Pouches • Shrink Film • Blown Film • Film	0.25	0.923

### By Order

GRADE	APPLICATION	MFI g/10min	DENSITY gr/cm <sup>3</sup>
LLDPE LL0220 AA	• Food Grade • Stretch film • Light and medium duty film	2.2	920
LDPE 2420 F	• Bags & Pouches • Blow Moulding Application • Shrink Film	0.75	0.923
LDPE 2420 K	• Coatings • Protective • Shrink Film • Surface Protection Film	4	0.924

## HDPE

GRADE	APPLICATION	MFI g/10min	DENSITY gr/cm <sup>3</sup>
EX1 (GF 7740F2)	• Stretched film tape used in manufacture of knitted and woven fabrics	1.6	0.944
EX2 (GM 7750)	• Production of monofilaments with high tensile strength	2.5	0.9560
EX3	• Food Grade • Pressure pipe • Pipe Extrusion PE100 Class • Drinking water and gas pipes • Discharge pipes • Sheets • Sewer pipes and their fittings • For injection moulded and other fittings	0.45	0.945
EX4 (GM 9455F)	• Paper like film suitable for wrapping • Counter bags and carrier bags	0.28	0.956
EX5 (GM 9450 F)	• Food Grade • Blown films with paper like quality • Suitable for counter bags • Carrier bags • Blending partner • Wrapping films and sheets	0.28	0.949
I1 (GA 7260)	• Lightweight household • Disposable articles • Large moulding and complicated parts	17	0.957
I2 (GB 7250)	• Household articles • Closures/seals • Packaging	10	0.950
I3 (GC 7260)	• Food Grade • Transport and stacking crates	8.0	0.957
I4 (GD 7255)	• For thick walled, • Highly stressed transportcontainers	4.0	0.954
BL2 (GF 4750)	• Disinfectant bottles up to 2 liters • Containers up to 10 liters	1.2	0.946
BL3 (GF 4760)	• Food Grade • Containers with capacities ranging from a few ml up to 10 liters • Production of sheets for thermoforming	1.2	0.954
BL4 (GM 8255)	• General purpose grade for containers from 1 liter to about 500 liters capacity	0.35	0.952
BL5 (GM 7746)	• Large container above 5 liters capacity e.g. petrol tanks	0.2	0.943
BL6 (GM 7255)	• For large containers above 5 liters capacity for manufacture of semi-finished product	0.12	0.952
BL7 (GM 6255)	• For large containers	< 0.1	0.950
BL8 (GM 7745)	• For heating oil storage tanks • Large containers for various chemicals	0.31	0.944

## LDPE

GRADE	APPLICATION	MFI g/10min	DENSITY gr/cm <sup>3</sup>
1800 S	• Caps & Closures • Sports • Leisure and Toys	20.0	0.917
2420 D	• Food Grade • Bags & Pouches • Bottles for Consumer Goods • Shrink Film • Blown Film • Film	0.25	0.923
2420 F	• Bags & Pouches • Blow Moulding Application • Shrink Film • Blown Film • Film	0.75	0.923
2420 H	• Food Grade • Bags & Pouches • Film • Shrink Film • Blown Film • Cast Film	1.9	0.924
2420 K	• Coatings • Protective • Shrink Film • Surface Protection Film	4	0.924
▶ 2426 F	• Cast & Blown Film • Bags&Pouches • Film &Shrink Film • Food Packaging Film • Surfacen Protection Film	0.75	0.924
▶ 2426 H	• Cast Film • Bags&Pouches • Film &Shrink Film • Blown Film • Surfacen Protection Film	1.9	0.925
▶ 2426 K	• Cast Film • Food Packaging Film • Film & Shrink Film • Blown Film • Surfacen Protection Film	4	0.925
3020 F	• Bags & Pouches • Cast & Blown Film • Film & Shrink Film • Food Packaging Film • Surfacen Protection Film	0.9	0.927
3020 H	• Cast & Blown Film • Bags&Pouches • Film &Shrink Film • Food Packaging Film • Surfacen Protection Film	2.0	0.927
3020 K	• Cast & Blown Film • Lamination Film • Film &Shrink Film	4.0	0.927
▶ 3026 H	• Cast & Blown Film • Bags&Pouches • Film &Shrink Film • Food Packaging Film	2.0	0.927
▶ 3026 K	• Cast & Blown Film • Lamination Film • Film & Shrink Film • Food Packaging Film	4.0	0.927

## LLDPE

GRADE	APPLICATION	MFI g/10min	DENSITY gr/cm <sup>3</sup>
LL0205AA	• Heavy duty sacks, Mulch films • Strech film, liners, Geomembrane	0.5	920
LL0209 AA	• Food Grade • Heave duty sacks, Agricultural films, liners • Produce bags, Stretch film	0.9	920
▶ LL0209 KJ or SR	• Food Grade • Refuse sacks • Produce bags, Carrier bags	0.9	921
LL0220 AA	• Food Grade • Light and medium duty film • Stretch film	2.2	920
▶ LL0220 KJ	• Food Grade • Light and medium duty film	2.4	921
HD 5218 EA	• Housewares • Thin walled food containers • PET bottle base cup	18	952
HD 5226 EA	• Housewares • Thin walled food containers • PET bottle base cup	30	953
HD 6070 EA	• Crates • Boxes • Seats • Pallets	8.4	960
HD 6070 UA	• Crates • Boxes • Seats • Pallets	8.4	960

▶ Product With Additive

Note :

Note :

Amir Kabir petrochemical company is one of the largest producers of plastic Resin Polyethylene in Iran. The company's products includes versatile polyethylene grades, such as HDPE, LDPE and LLDPE. These raw materials provide a variety of commodities that are used to advance solutions in almost every sector of the economy and industries like film packaging, piping, agriculture and automobile parts. In addition to polymers, Butadiene, Butene1- and DPG are also considered in the Listof AKPC's final Products. AKPC which started as Sixth Olefine Project and development of Iran national petrochemical industries, has been quite prosperous in gaining considerable share of both domestic and global markets. With respect to achieving optimum utilization of hydrocarbon resources, increasing market share in both Iran and overseas, and creating value for beneficiaries, AKPC main future plans are:

Based on the development project of national petrochemical company as per the second five year development, AmirKabir got registered under No.137672 in 1997 and later on, the company's construction project began in 1998 in the special economic free zone of Imam Khomeini Port with area of 55hectares. AKPC was selected as the project of sixth Olefine, considered as one of the largest and most important petrochemical projects in the region. Convenient access to feed, feul, primary materials, using road facilities, transportation and airport availability are eminent features to select the ground for setting a petrochemical company. The first production unit (HDPE) was established and put into operation in 2003. Afterward BD/B1 plant started the production. The other units of the complex were established and come on stream in 2005 (LLDPE) and 2009 (LDPE). AKPC has been registered as public joint stock with the capital of 3600 billion rials and the major shareholders are as blow: Refah Bank (%51.72), NavidZar Shimi (%20), Saderfar (%10.19), Civil Pension Fund investment Company (%10.85), Civil Servants Pension Organization (%2.82) and Atieh Saba Investment Company.

In the year 1400 (2021), Amir Kabir Petrochemical Company will be an organization with the Islamic Iranian thought, committed to be excellent in the Iranian polyethylene industry

- Honor and greatness
- Commitment, responsibility-taking, loyalty
- Creating values for beneficiaries
- Trust and honesty
- Global citizenship
- Creativity and innovation

We as the producer of polyolefin products and raw materials in the Iranian and international markets committed to satisfaction of beneficiaries by permanent profit-making and development of value chain through engagmenting low-stream industries, optimum management of resources, quality enhancement of products, and after-sales-services. In observance of social responsibilities we deeply belive in life quality enhancement and improvement, observance of safety, health and environment requirements.