



JAM Petrochemical
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HDPE Plant Products List

Grade Name	Application	Comment	MFI 190°C / 5kg	Density
PIPE GRADE				
1 HMCRP100 N	Pipe (Natural)	PE100 (natural)	0.22	0.948
2 HMCRP100B BLACK	Pipe (Black)	EX3100S (Black)	0.22	0.957
3 HMCRP100 O/Y	Pipe (O/Y)	PE100 (O/Y)	0.22	0.949
4 HMCRP100 BLUE	Pipe (Blue)	EX3100S (Blue)	0.22	0.948
5 HM5010T2N	Pipe (Natural)	PE80 (EX3)	0.45	0.945
6 HM5010T3N	Pipe (Natural)	PE80 (natural)	0.43	0.944
7 HM5010T3 BLACK	Pipe (Black)	PE80 (Black)	0.43	0.944
FILM GRADE				
8 HM9445HT	Film	EX6HT	0.18	0.944
9 HM9450F	Film	EX5	0.28	0.949
10 HM9450F1	Film		0.22	0.950
11 HM9455F	Film	EX4	0.28	0.956
12 HM9455F1	Film	EX4HS	0.22	0.957
BLOW MOULDING GRADE				
13 HF4750	Small Blow Moulding	BL2	1.1	0.944
14 HF4760	Small Blow Moulding	BL3	1.2	0.954
15 HH4765	Small Blow Moulding	BL3VD	1.5	0.959
16 HM8355	Small Blow Moulding	BL4M	0.35	0.951
CABLE INSULATION				
17 HF4750K	Cable	EX7C	3.5	0.946
INJECTION MOULDING GRADE				
18 HC7260	Injection Moulding	I3/THE CAT.	23	0.957
19 18XF5N	Injection Moulding	I4/THE CAT.	11	0.954
EXTRUSION GRADE				
20 HF7740F	Stretched Tape (Raffia)	EX1/THT CAT.	1.8	0.944
21 HF7740F2	Stretched Tape (Raffia)	EX1S/THT CAT.	1.8	0.944
22 HF7750M	Monofilament	EX2/THT CAT.	2.5	0.956
23 HF7750M2	Monofilament	EX2S/THT CAT.	3.3	0.956
PIPE COATING				
24 HS4047	STEEL PIPE COATING	-	5	0.948

JAM PETROCHEMICALCo.

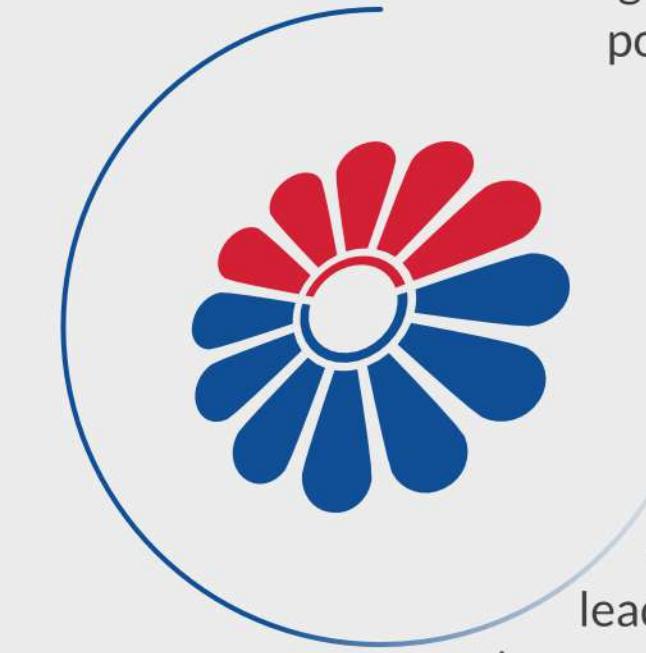
Plant Products List

LLDPE Plant Products List

Grade Name	Application	MFI190°C / 5kg	Density
ROTO MOULDING			
1 32604 UV	Rotomolding High ESCR	4	0.932
2 30505 UV	Rotomolding High ESCR	5	0.930
3 38504 UV	Rotomolding High ESCR	4	0.938
4 35504	Rotomolding High ESCR	4	0.935
C4 COPOLYMER FILM LLDPE Film			
5 235F6	Heavy duty Films, General Purpose	0.6	0.921
6 235F7	Film High Stiffness	0.7	0.923
7 22501AA/KJ	Film High Stiffness	0.95	0.922
8 22502AA/KJ	Film High Stiffness	1.8	0.922
9 16501	Film (liner)	0.95	0.918
10 16502	Film (Cast-General Purpose)	2	0.918
11 16503	Film (General purpose cast stretch)	3	0.918
HP - HDPE			
12 43X01	Monofilament	1	0.943
13 41X01	Cast Flat Yarn	1.2	0.941
14 36XF6	Raffia	0.6	0.936
HP - VLDPE			
15 02X02	Geomembranes-Bumpers-Soft Nets	1.8	0.902
16 01X01	Coextrusion	0.9	0.901
HP - LLDPE			
17 20X02	Breads Bags	2.5	0.920
18 18XF5N	Film (High Performance)	0.5	0.918
19 14XF9	Film (Lamination)	0.9	0.915
20 14X01	High Stiffness	0.95	0.914
21 12X01	Superbutene	0.95	0.912
22 14ZF8	Film (Easy Processibility)	0.75	0.915
23 12XF6	Film (High Performance)	0.6	0.912
24 12HF6	Film (Shrink)	0.6	0.912
25 11X02	Film (General Purpose)	2	0.911
26 09X02	Stretch Cast	2.2	0.909
HP - HEXENE			
27 30Y04	Rotomolding & Stiff Cast	4	0.930
28 18YF3	Shrink Film-High Performance	0.35	0.918
29 15YF6	Heavy Duty	0.6	0.915
30 14Y01	Thin Film	1.1	0.915
31 12YF6	Liner	0.6	0.912
32 11YF6	Lamination-High Clarity	0.6	0.911
33 10Y02	High Pre-Stretch Cast	2.2	0.910
LLDPE EXTRUSION COATING			
34 23507	Extrusion Coating	7	0.923
★ MELT FLOW RATE (190°C/5KG)			

Grade Name	Application	MFI190°C / 5kg	Density
LLDPE INJECTION MOULDING			
35 26560	Injection (fast Cycle)	60	0.926
36 25525	Injection (Lids)	25	0.925
37 20516	Injection (General Purpose)	16	0.922
38 20505	Injection (General Purpose)	5	0.922
VLDPE			
39 10502	Cast Coextrusion	2.5	0.910
40 10501	Lamination	0.95	0.910
BWMD HDPE FOR BLOWN FILM *			
41 526H1	Blow Film-High Stiffness	0.15	0.952
42 524H1	Blow Film-High Stiffness	0.15	0.952
43 486H2	Blow Film-High Mechanicals	0.25	0.948
44 484H2	Blow Film-General Purpose	0.25	0.948
BWMD HDPE FOR BLOW MOULDING			
45 526F2	Blow molding small containers, High ESCR	0.25	0.952
46 526F1	Blow molding containers- High impact	0.12	0.952
47 524F2	Blow molding small containers	0.25	0.952
BWMD HDPE FOR PIPES *			
48 486H2	Pipe	0.2	0.948
HDPE INJECTION MOULDING			
49 60535	Injection (Thin Walled)	35	0.962
50 60518	Injection (Fast Cycle)	18	0.960
51 60511	Injection (House Ware)	11	0.958
52 60507 UV	Injection (Crate)	7.5	0.958
53 60505	Injection (Crate)	5.5	0.958
HDPE COPOLYMER INJECTION MOULDING			
54 50501	Caps & Closures	1	0.952
55 52502	Caps & Closures	2.1	0.952
56 52502 SU	Caps & Closures	2.1	0.952
57 52528	Injection (Caps Thin Walled)	28	0.952
58 5035	Thin wall	35	0.950
59 4850	Thin wall	50	0.948
60 52518	Injection (House Ware High Fluidity)	18	0.952
61 52511	Injection (House Ware)	11	0.952
62 52505 UV	Injection (House Ware)	5	0.952
HDPE (MMWD)			
63 5000S	Monofilament	0.8	0.953
64 534F7	Monofilament-High Tenacity	0.7	0.953
65 50401	Monofilament	1	0.950
66 424F5	Raffia (textile Grades)	0.5	0.942
Miscellaneous			
67 3510	Tapes and Films	0.4	0.935
68 3520	Tapes and Films	0.6	0.935





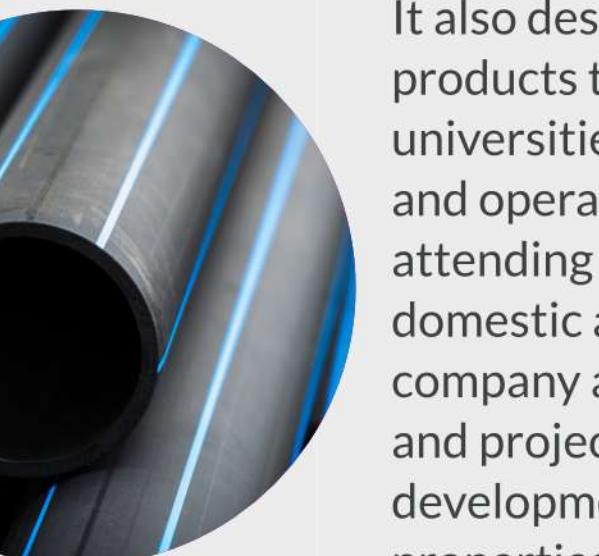
About JAM

JAM Petrochemical Company (Public Stock) has been registered under the registration number of 32285 in year 2000 alongside with the country's macro programs in petrochemical industry for exploiting from South Pars Gas-Condensate field. This huge industrial complex has been constructed in a land with an area of 77 hectares in South Pars Special Economic Energy Zone, located in Asalouye, Bushehr Province.

JAM Petrochemical Company, holding the manufacturing plant of olefin, linear low and high density polyethylene, Butadiene

and butene-1, after passing about one decade, is still deemed as one of the world's largest olefin manufacturers and one of the Iran's leading manufacturers in polymer products.

JAM, the most significant manufacturing company in South Pars Special Economic Energy Zone, by producing and supplying different grades of petrochemical products in domestic and export markets, and with a glorious movement toward development and advancement, is considered to be one of the most important petrochemical industrial complexes in the field of economics.



New Products Development

Delivering a commercially successful product to market begins with identification of the needs of the target market and focusing on fulfilling those needs through production. Relying on the principle of competitiveness at the national and international level and supplying the needs of the market and the customers, Jam

Petrochemical Company has paid special attention to variety of its products and their upgrade and development.

The research and technology plant of this company has identified intended products according to the existing needs and is implementing required scientific and technical investigations in order to produce these materials.

It also designs and produces its intended products through interaction with labs, universities, research centers and industrial and operational plants and also through attending exhibitions and taking part in domestic and international seminars. This company also performs consistent activities and projects concerning technology development and improvement of the properties and performance of the products.



Production Plants & Products

OLEFIN

Olefin Plant Under the license of Technip, with its annual capacity of producing 1,320,000 tons of ethylene and 306,000 tons of propylene as well as a total annual capacity of 2,359,000 tons of products, JPC Petrochemical Company's olefin plant is considered as one of the largest olefin plants both globally and nationwide. Olefin plant has been constructed with the help of modern technologies and its capacities have been determined by taking into consideration the global scale.

1. Compared to other similar plants, unique characteristics of JPC Petrochemical olefin plant include its high production capacity and possibility of utilizing (flexible) dual purpose furnaces which allow this plant to make use of both liquid and gas feed.
2. Feed diversity, capacity to produce a wide range of products, and relationship with other important plants, in the South Pars Zone, of gas and petrochemistry can be regarded as other strategic features of JPC's olefin plant. Ethylene, propylene, Hydrogen, dry pyrolysis gasoline, furnace fuel oil (CFO) and C4 compounds.

LLDPE

Linear Low Density Polyethylene Plant Under the license of BASELL, JAM Petrochemical Company's LLDPE Plant has been designed and established with TECNIMONT's basic engineer in hand SPHERILENE technology. Able to produce 300,000 tons of products per year, JPC (LLDPE) Plant is one of the greatest polymer production plants in Iran which enjoys the capacity of producing both high density and linear low density polyethylene and the plant can produce more than 60 different grades for such varying applications as the following:

- FILM
- INJECTIONMOLDING
- STRETCHEDTAPE
- MONOFILAMENT
- ROTOMOLDING
- YARN-CAPS&CLOSUREST

The products made by this plant can be utilized in various industries such as packaging industries, home appliances manufacture industries, textile

industry, agricultural industry, and automobile manufacture industries.

HDPE

High Density Polyethylene Plant Having been established under the license of LYONDELLBASELL Co. and assisted by KRUUPPUHD's basic engineering, JPC HDPE Plant producing 300,000 tons of products a year is one of the largest polymer plants in Iran. In addition to its capability of producing 23 main grades, this plant produces black, orange, yellow, blue and normal grades. The capabilities of JPC HDPE Plant are unique nationwide and rare in the world. JPC HDPE Plant is the first producer of (pipe) CRP 10 Black in Iran. The grades produced by JPC HDPE Plant can be classified as follows:

- BLOW MOLDING
- PIPEPE100/PE80(NATURAL/COLOR)

- FILM
- INJECTIONMOLDING

- STRETCHEDTAPE
- MONOFILAMENT

In comparison with other plants, some unique features of JPC HDPE Plant are:

1. Highly diverse range of products owing to the diverse grades produced;
2. A high production capacity
3. Capability of producing colored grades and possessing two extruder and packaging lines.

BUTENE-1

JPC BUTENE-1 Plant under AXENS license possessing and assisted by Narga Co. an annual production capacity of 10,000 tons is honored to serve the largest Butene production plant nationwide. Besides satisfying the needs of its downstream plants in JPC Complex, this plant is also capable of supplying the needs of other polyolefin companies in the country. A major portion of the products generated by this plant is considered to be exported to foreign consumer countries.

BUTADIENE

Having been constructed under BASF license of Germany and assisted by LURGI's basic engineering and Namavar's detail engineering, Butadiene Plant of JAM Petrochemical Company with its annual production capacity of 115,000 tons serves as a brilliant plant nationwide in terms of production, purity grade and product quality. This plant operates as one of JPC's invaluable production plants.

