

Application Catalogue

| 2023-2024 |



Golden Gulf Stars Co

INTERNATIONAL TRADE LIMITED COMPANY



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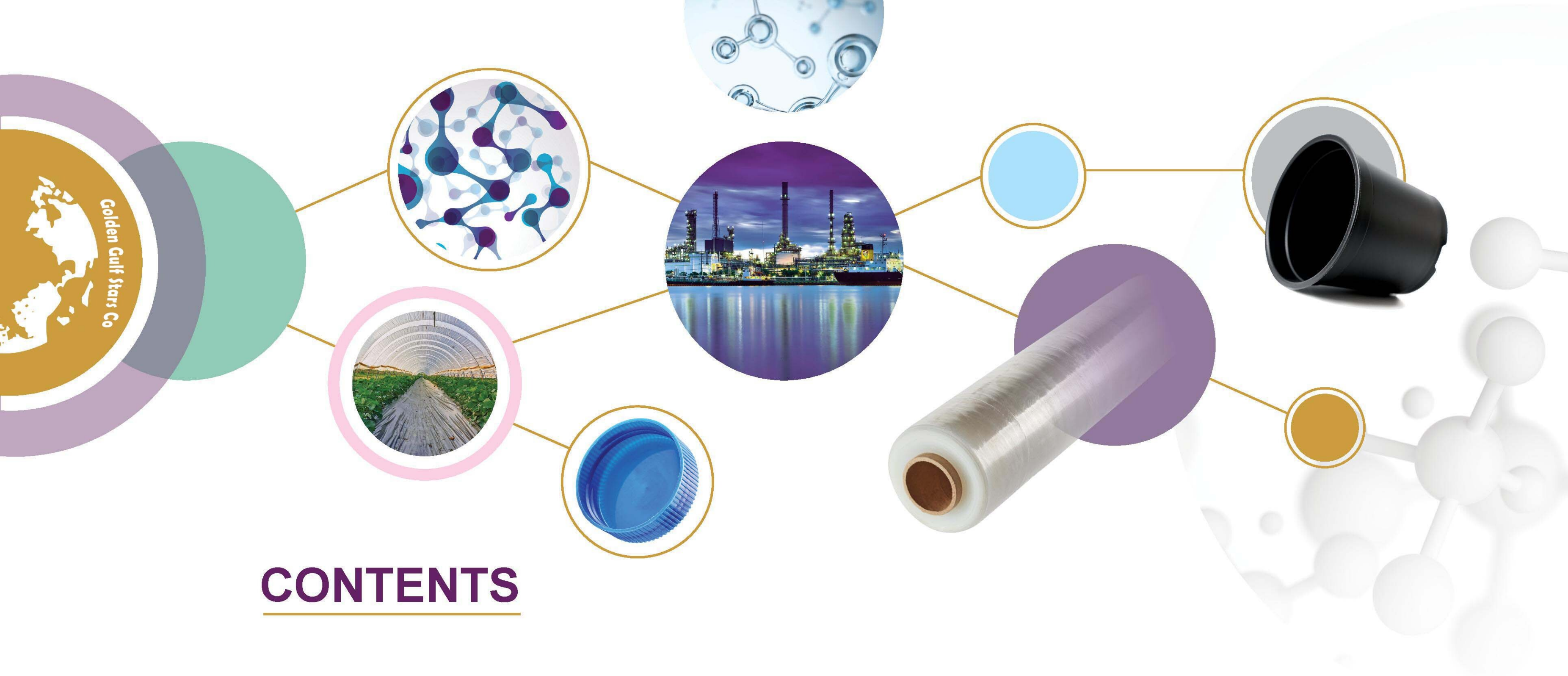
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ABOUT US

Golden Gulf Stars Company (GGS) is engaged in distribution and international trade of petrochemical raw materials, polymers and industrial chemicals. GGS, which was first established in Oman for the purpose of trading chemical raw materials, started to serve other markets after a short time.

GGS supplies many products including monomers, alcohols, glycols, glycol ethers, pigments, fertilizer raw materials, plasticizers, rubber raw materials, polyurethane raw materials, and various plastic raw materials.

It is the main raw material supplier for the paint, adhesive, ink, packaging, saturated and unsaturated polyester, alkyd resin, construction, rubber, sponge, polyurethane, plasticizer, white goods, kitchen appliances, pipes and various plastic industries.

We are currently registered in nearly all petrochemical complexes in Iran and have ability to export all petrochemical products from Iran market in all grades and quantities.

In alignment with the company's strategic objectives, ensuring the security of all processes and stakeholder information is among our foremost priorities. We are committed to creating a secure and reliable environment for all our business partners, enabling us to collectively progress towards mutual growth and development with confidence. Our perspective on business partnerships is not merely short-term; rather, the continuity and deepening of these relationships over the long term constitute our central strategy. We strive to earn the trust of our business partners by delivering distinguished services and creating continuous added value, thereby moving together towards the achievement of sustainable and significant success.

We hope that by relying on these principles and with your cooperation and partnership, we will witness the further expansion and deepening of our mutual relations.





HDPE

Products

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INDEX

- HDPE Film
- HDPE Pipe
- HDPE Blow Molding
- HDPE Injection
- HDPE Caps & Closures
- HDPE Yarn

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HDPE FILM

Typical Application

- Blown films with paperlike quality
- Carrier bags, counter bags
- Wrapping films
- Food packing

GRADE	PRODUCER	MFR	DENSITY
7000 F	Bakhtar-Mehr-Illam	0.04 (2.16 kg)	0.952
EX 5	Jam-Marun-Bakhtar	0.28 (5 kg)	0.946
HFI 5110	Arya Sasul	10 (21.6 kg)	0.951



HDPE FILM





HDPE PIPE

Typical Application

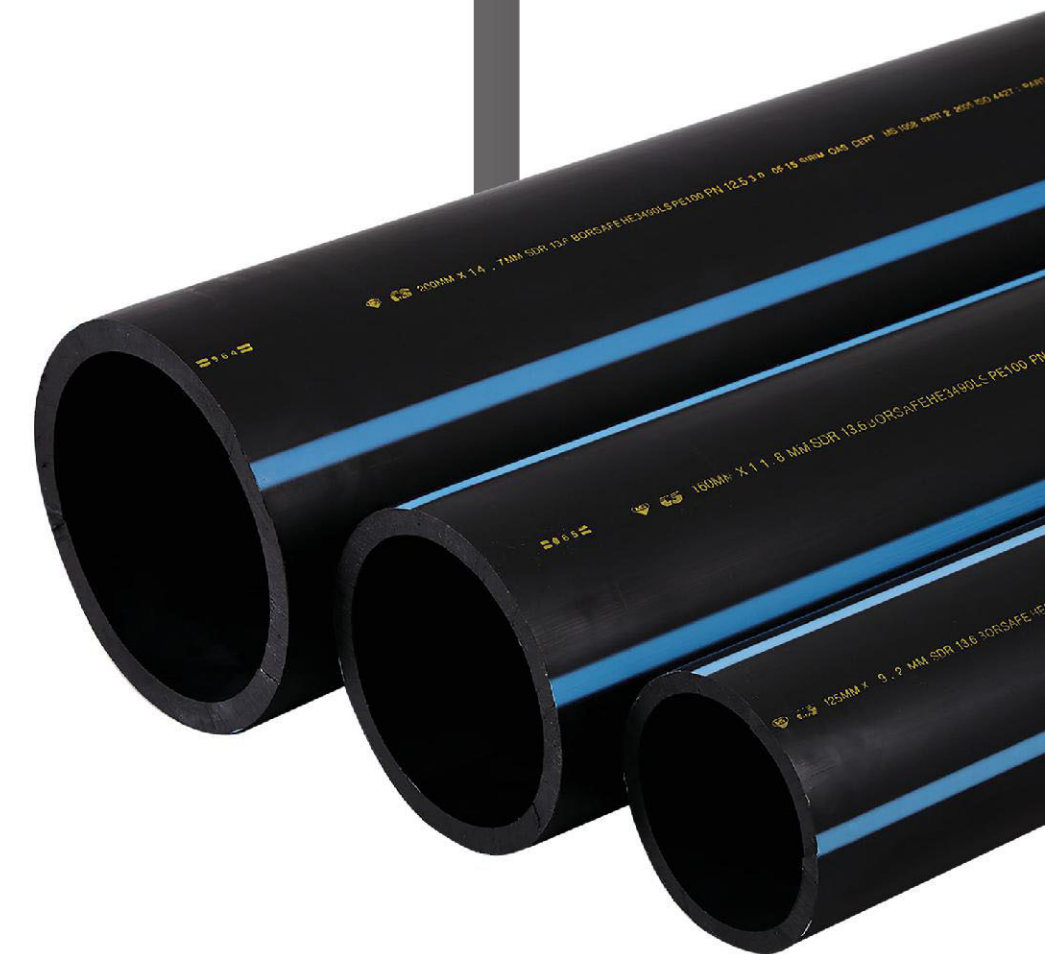
- Pressure pipes
- Water oioes
- Gas pipes
- Waste & sewer pipes

GRADE	PRODUCER	MFR	DENSITY
PE 80 ⁺	Arya Sasol	0.22 (5 kg)	0.944
(EX 3) PE 100	Amir Kabir (AKPC)	0.22 (5 kg)	0.944
HMC RP 100 N	Jam	0.22 (5 kg)	0.948
HMC RP 100 B	Shazand	0.22 (5 kg)	0.957
7700 M (PE-100)	Ilam	0.27 (2.16 kg)	0.949



THE PIPELINE

HDPE PIPE





HDPE BLOW MOLDING

Typical Application

- Container
- Blow molding bottles
- Packing of pharmaceuticals

GRADE	PRODUCER	MFR	DENSITY
HB 0035	Bandar imam (BIK)	0.35 (2.16 kg)	0.959
BL 3	Jam-Marun-Bakhtar	1.2 (5 kg)	0.954
HBM 5510	Arya Sasol	0.75 (2.16 kg)	0.955



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HDPE BLOW MOLDING



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HDPE INJECTION

Typical Application

- Fish boxes
- Crates and tote boxes
- House wares

GRADE	PRODUCER	MFR	DENSITY
52505 UV	Jam	5 (2.16 kg)	0.952
HD 6070 UA	Tabriz	7 (2.16 kg)	0.960
62N07	Bakhtar	7 (2.16 kg)	0.958
HD 60507 UV	Jam	7.5 (2.16 kg)	0.958
HD 52518	Jam/Bakhtar	18 (2.16 kg)	0.952
52528	Jam	28 (2.16 kg)	0.925



HDPE INJECTION





HDPE CAPS & CLOUSER

Typical Application

- Hot filled carbonated soft drink
- Beverage caps
- Beverage bottle caps of sparkling water

GRADE	PRODUCER	MFR	DENSITY
HD 5030 SA	Bakhtar-Tabriz	2.2 (2.16 kg)	0.951



HDPE CAPS & CLOUSER





HDPE YARN

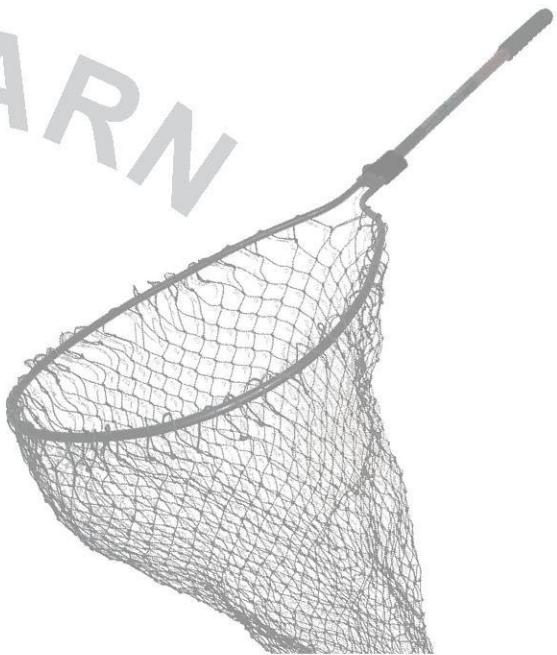
Typical Application

- Fishing net
- Rope
- Tarpaulin
- Woven sack

GRADE	PRODUCER	MFR	DENSITY
HD 5000 S	Jam	0.8 (2.16 kg)	0.954

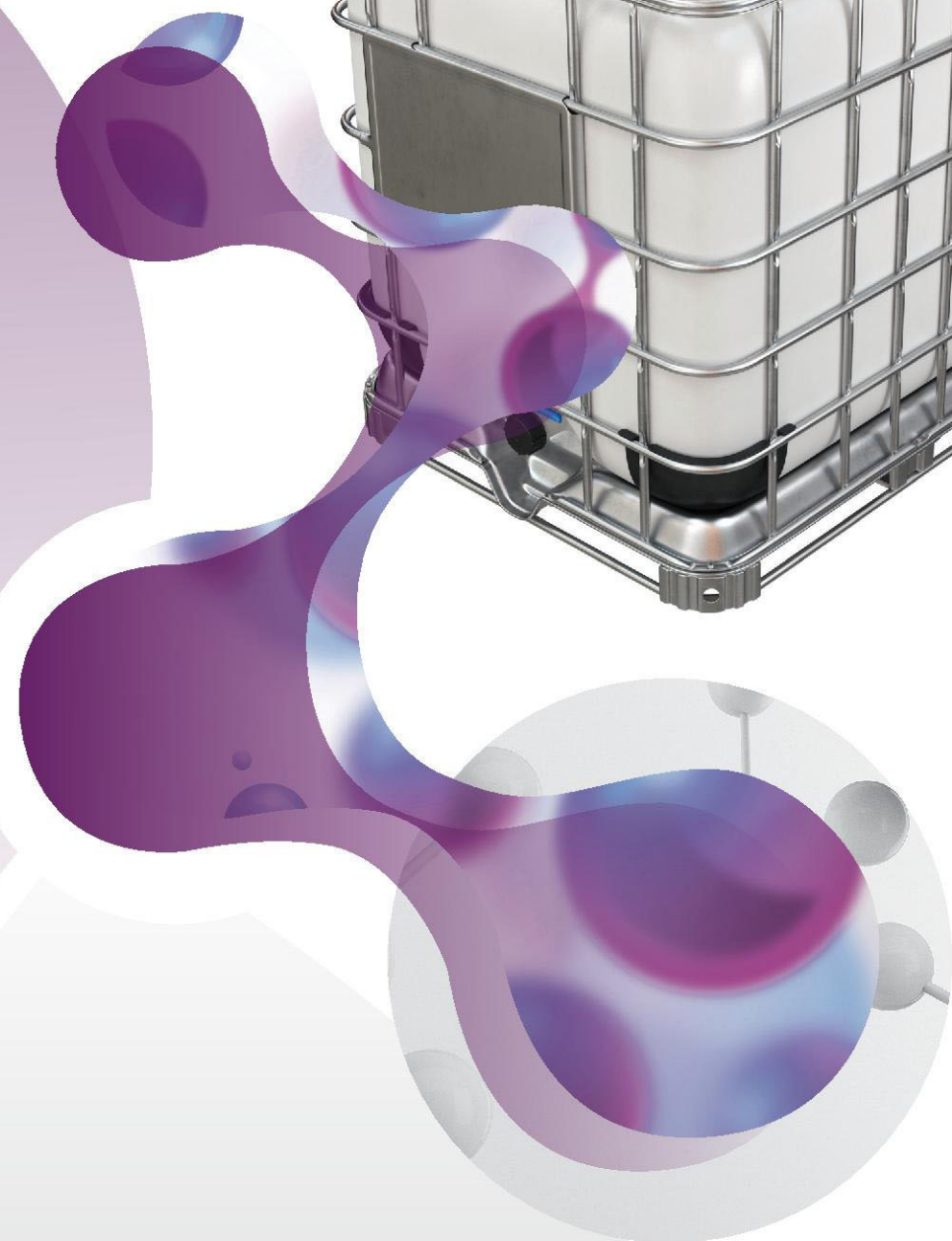


HDPE YARN



ROPE





MDPE ROTOMOLDING

Typical Application

- Large Containers
- Septic tanks

GRADE	PRODUCER	MFR	DENSITY
3840 UA	Tabriz-Shazand- Bakhtar	4 (2.16 kg)	0.954
HBM 4265	Arya Sasul	6.5 (21.6 kg)	0.944

MDPE Products





LDPE

Products



INDEX

- LDPE
- LDPE Film





LDPE FILM

Typical Application

- Food packing
- Shrink film
- Cast film
- Bags and pouches
- Carrier bags
- General purpose bags



GRADE	PRODUCER	MFR	DENSITY
LFI 2130	Arya Sasul	0.3 (2.16 kg)	0.921
L 2100 TN 00	Laleh	0.3 (2.16 kg)	0.921
2420 D	Amir Kabir (AKPC)	0.25 (2.16 kg)	0.923
LH 0075	Bandar Imam (BIK)	0.75 (2.16 kg)	0.922
2420 F	Amir Kabir (AKPC)	0.75 (2.16 kg)	0.923
LFI 2185A	Arya Sasul	0.85 (2.16 kg)	0.921
LF 0190	Arya Sasul	1.9 (2.16 kg)	0.924
2420 H	Amir Kabir (AKPC)	1.9 (2.16 kg)	0.924
L 2102 TX 00	Laleh	1.9 (2.16 kg)	0.921
LFI 2119	Arya Sasul	1.9 (2.16 kg)	0.921
LF 0200	Bandar Imam (BIK)	2 (2.16 kg)	0.922
2420 E 02	Bakhtar	2 (2.16 kg)	0.921
LFI 2125 A	Arya Sasul	2.5 (2.16 kg)	0.921
2420 K	Amir Kabir (AKPC)	4 (2.16 kg)	0.924
LIM 1922	Arya Sasul	22 (2.16 kg)	0.921

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LDPE FILM



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LDPE INJECTION

Typical Application

- Toys
- House Hold Articles
- Clamping Lids

GRADE	PRODUCER	MFR	DENSITY
1922	Arya Sasul	0.22 (2.16 kg)	0.919



LDPE INJECTION APPLICATION





LLDPE Products

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LLDPE FILM

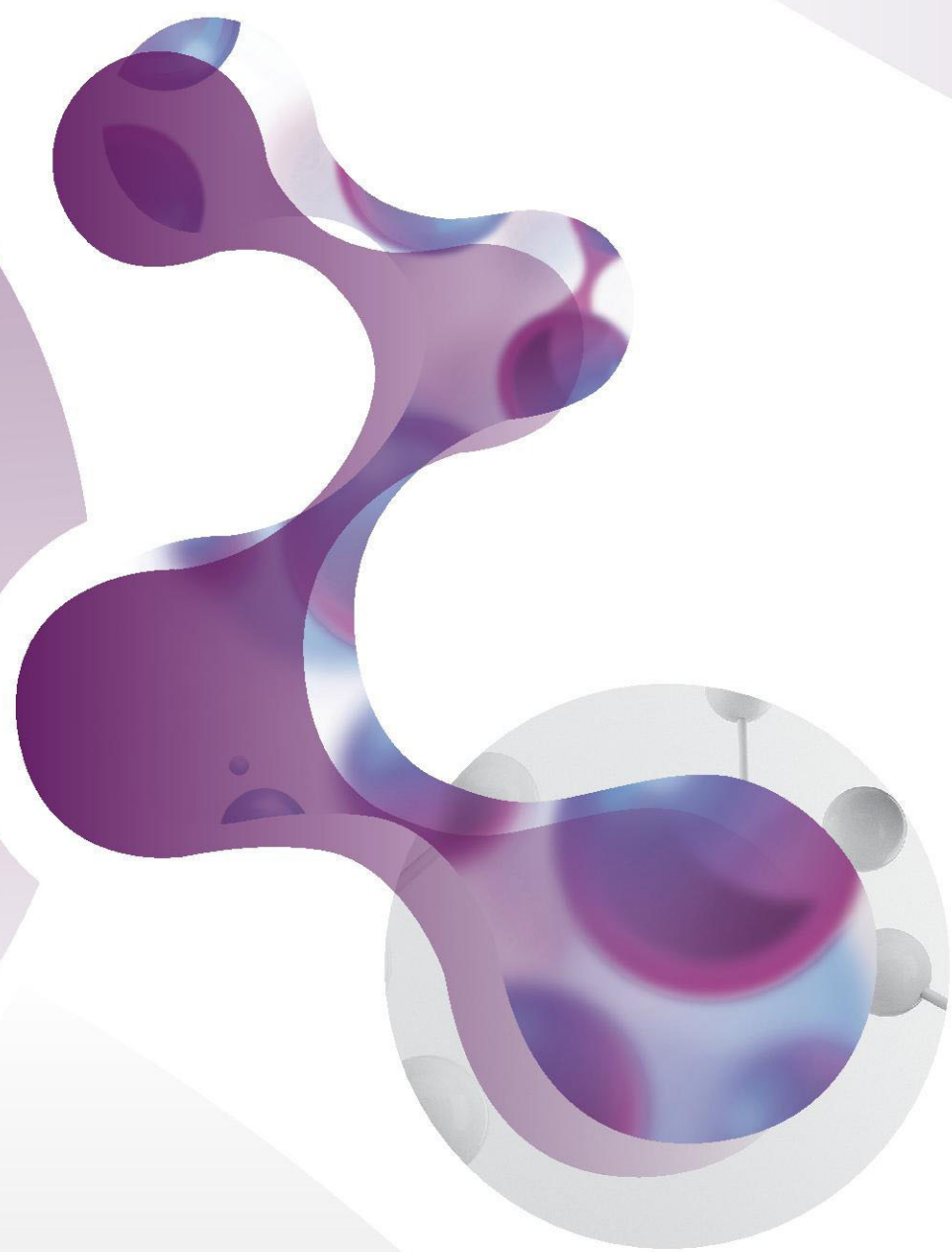
Typical Application

- Heavy duty plastic bags
- Freezer bags
- Hand bags
- Packing
- Agricultural film



GRADE	PRODUCER	MFR	DENSITY
LL 235 F6	Jam	0.6 (2.16 kg)	0.922
LL 0209 AA/KJ	Shazand/Tabriz/Amir Kabir	0.9 (2.16 kg)	0.921
LL 22B01 AA	Bakhtar	1 (2.16 kg)	0.920
LL 22B02 AA	Bakhtar	2 (2.16 kg)	0.920
LL 22B03 AA	Bakhtar	3 (2.16 kg)	0.920
LL 18B03	Bakhtar	3 (2.16 kg)	0.918
LL 0220 AA/KJ	Tabriz	2.4 (2.16 kg)	0.921





PP Products



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PP (Homo Polymer)

Typical Application

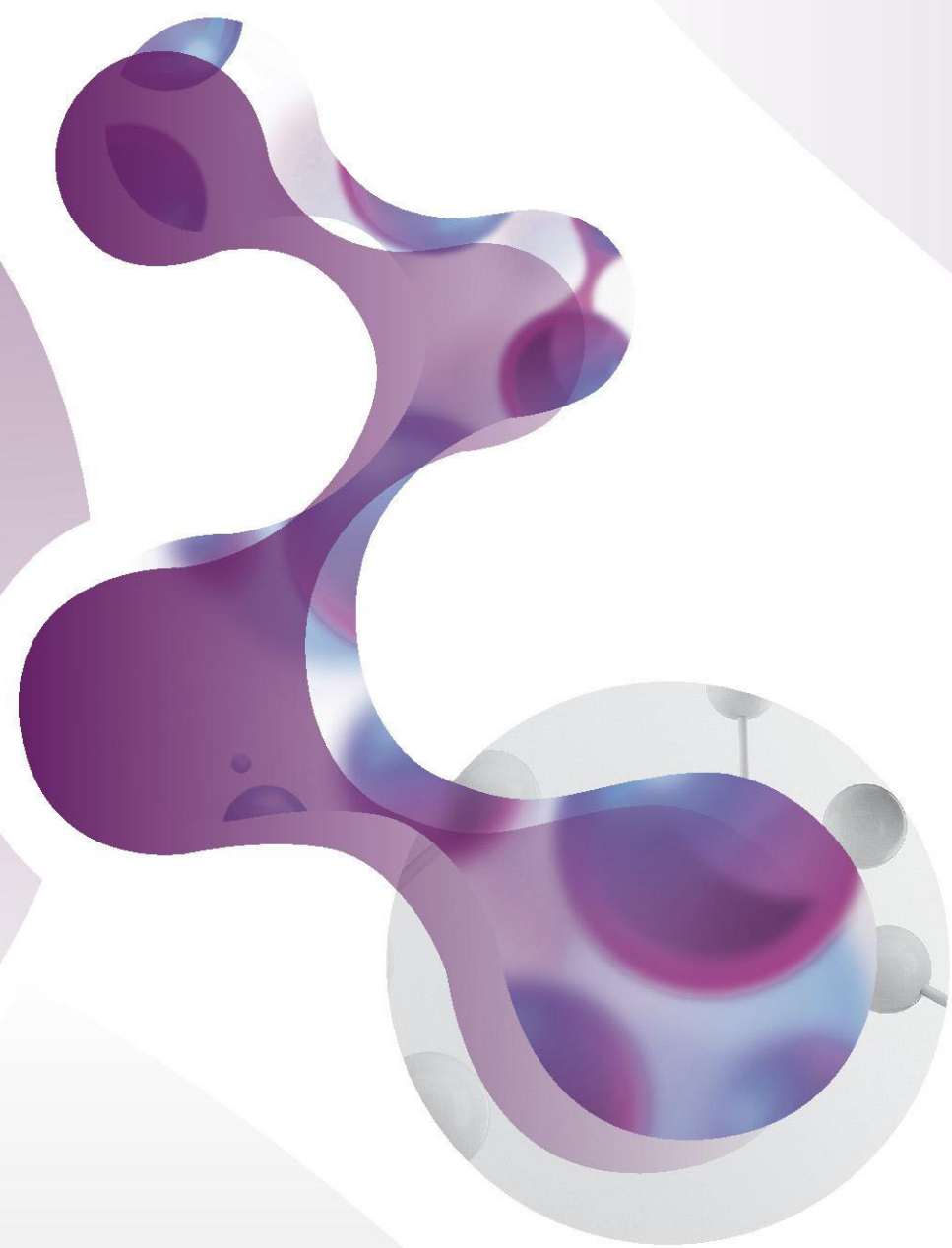
- Heavy Duty Jumbo bags
- Furniture
- Caps
- Closures
- Toys

GRADE	PRODUCER	MFR	DENSITY
Hp 550 J	Jam PP, Marun, Shazand	3.2 (2.16 Kg)	0.9
C 30 S	Marun	6 (2.16 Kg)	0.9
ZH 510 L	Navid Zar Chimi	5-7 (2.16 Kg)	0.9
ZR 348 U	Navid Zar Chimi	7-10 (2.16 Kg)	0.9
HD 225	Tabriz	22 (2.16 Kg)	0.9
HP 552 R	Jam PP, Marun, Shazand	25 (2.16 Kg)	0.9
1102 XL	Regal	5.5 (2.16 Kg)	0.9
1102 XK	Regal	4 (2.16 Kg)	0.9



PP (Homo Polymer)





PP Products

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PP CO POLYMER



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PP (Co Polymer)

Typical Application

- Lamination
- Packaging of stationary
- Packaging of food
- Containers
- Filters



GRADE	PRODUCER	MFR	DENSITY
EP 440 G	Jam PP	1.3 (2.16 Kg)	0.9
EP 440 L	Jam PP	6 (2.16 Kg)	0.9
EP 548 R	Jam PP	21 (2.16 Kg)	0.9
RP-345 S	Jam PP	40 (2.16 Kg)	0.9
EP 548 T	Jam PP	50 (2.16 Kg)	0.9
RP 210 G	Shazand	1.8 (2.16 Kg)	0.9
RP 270 G	Shazand	1.8 (2.16 Kg)	0.9



PP (Co Polymer)





PP Products

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PP PIPE

Typical Application

- Industrial pressure pipe
- Hot & cold water supply
- Services pipes
- Industrial water conversance

GRADE	PRODUCER	MFR	DENSITY
MR 230	Marun	0.3 (2.16 Kg)	0.9
PNR 230 C	Polynar	0.3 (2.16 Kg)	0.9
ZR2 30 C	Navid Zar Chimi	0.35 (2.16 Kg)	0.9
3212 E	Regal	0.25 (2.16 Kg)	0.9



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PP PIPE



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SBR Products

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SBR

Typical Application

- Mechanical goods
- Tires
- Molded and extruded mechanical rubber goods
- Foot wear
- Light and dark colored mechanical goods

GRADE	PRODUCER	VISCOSITY	OIL CONTENT	BOUND STYRENE
SBR 1502	Bandar Imam (BIK)	46 - 58	0	22.5-24.5
SBR 1712	Takhte Jamshid	42-52	37.5	23.5



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PBR Products



PBR TJPC

Typical Application

Product Name	Maximum percentage of volatile substances	Mooney viscosity (ML 1+4 @ 100 °C)	Application
TJPC 1220	0/75	41_49	Car tires, conveyor belts, shoe soles, cables and other rubber items
TJPC 1220C	2	43_53	Car tires, conveyor belts, shoe soles, cables and other rubber items
TJPC 1202	0/75	30_40	HIPS with low gel percentage, suitable for production





HIPS Products

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HIPS

Typical Application

- Packaging containers
- Egg box
- Industrial parts
- Fridge doors
- Freezer and refrigerator line



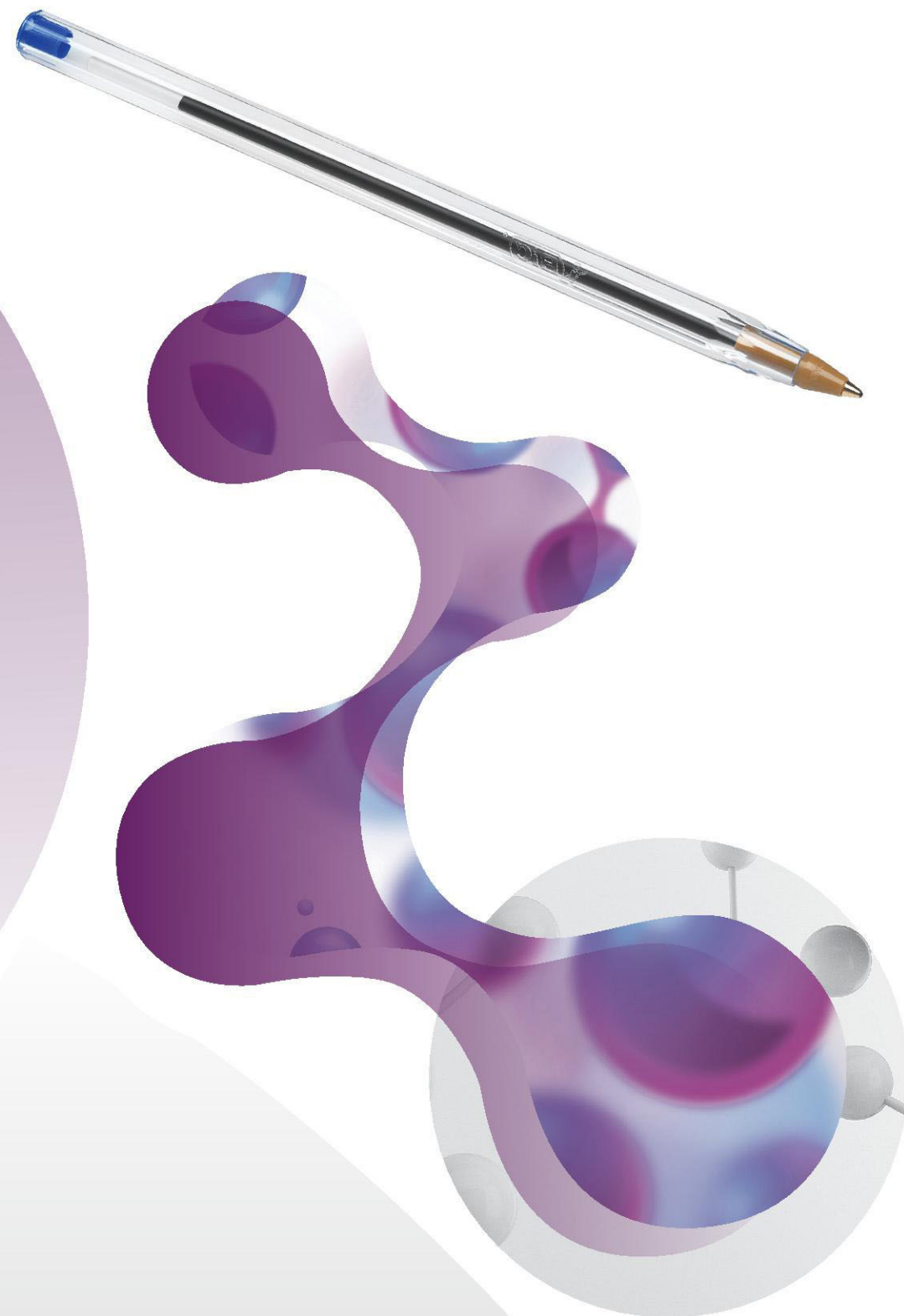
GRADE	PRODUCER	VICAT SOFTENING	MFR
HIPS 7240	Tabriz	97	4.5 (5 Kg)
HIPS 7055	Petro Paak	92	4.4 (5 Kg)
HIPS 4125	Petro Paak	93	12 (5 Kg)



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GPPS Products

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GPPS

Typical Application

- Shower cabinet
- Disposable cups
- Food container
- Pen bodies



GRADE	PRODUCER	MFR	VICATE SOFTENING
GPPS 1160	Tabriz	2.5 (5 Kg)	104
GPPS 1460	Tabriz	6 (5 Kg)	103
GPPS 1540	Tabriz	11 (5 Kg)	91
GPPS 1018	Petro Paak	1 (5 Kg)	105
GPPS 1028	Petro Paak	2.4 (5 Kg)	102
GPPS 1034	Petro Paak	3.1 (5 Kg)	90
GPPS 1038	Petro Paak	3.1 (5 Kg)	101
GPPS 1047	Petro Paak	4.2 (5 Kg)	100
GPPS 1067	Petro Paak	5.5 (5 Kg)	100
GPPS 1077	Petro Paak	7 (5 Kg)	100
GPPS 1084	Petro Paak	8 (5 Kg)	91
GPPS 1115	Petro Paak	11 (5 Kg)	91
GPPS 1144	Petro Paak	14 (5 Kg)	92
GPPS 1233	Petro Paak	23 (5 Kg)	85
GPPS 1551	TJPAPC	9 (5 Kg)	92
GPPS 1161	TJPAPC	4 (5 Kg)	104



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EPS Products



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TABRIZ



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EPS



Typical Application

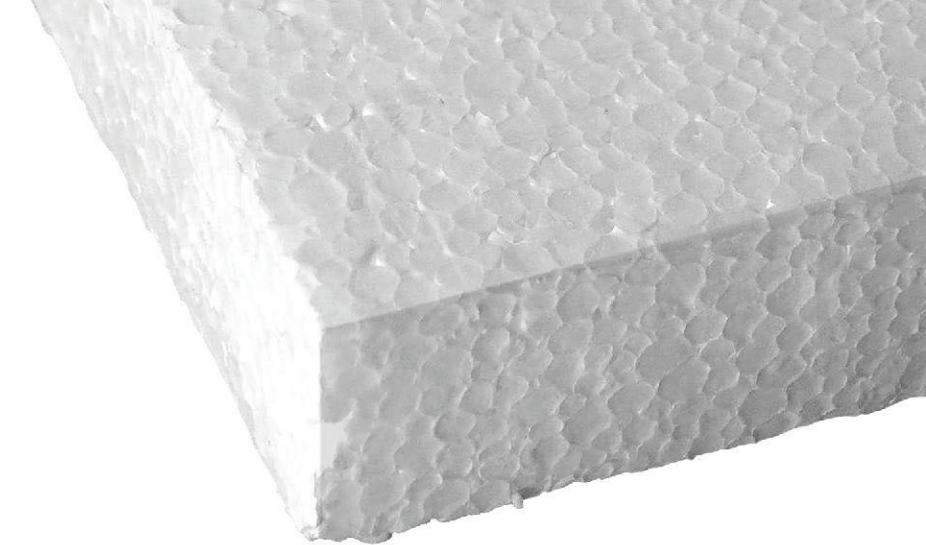
Types & Grade	Producer	Bead size (mm)	Typical end product density (kg /m3)	Typical application
121 HS	TPC	1.8 – 2.5	13 _ 25	Low density blocks
221 HS	TPC	1.0 _ 1.8	14 _ 30	Low _ Medium density blocks
321 HS	TPC	0.7 _ 1.0	18 _ 30	Shape molding with wall thickness > 10 mm, and medium _ high density blocks



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EPS

Typical Application

Grade	Bead Size (mm)	Preexpansion Density (Kgf/cm ²)	Foam Multiple	Foam Density (g/L)	Usage
F50	1.6 - 1.9	11	60 - 75	10 - 20	Insulation, big packing products
F100	1.3 - 1.6	13	47 - 65	14 - 22	Insulation, big packing products
F150	0.9 - 1.3	14	42 - 60	16 - 30	Medium-density Insulation, middle-density packing
F250	0.7 - 0.9	15	35 - 55	20 - 35	Medium-density Insulation, special use products
F350	0.47 - 0.7	16	28 - 50	22 - 40	High-density Insulation, special use products
F450	0.3 - 0.47	17	24 - 45	23 - 42	High-density Insulation, special use products



PETROMOL

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BANIAR



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EPS



Typical Application

Grade	Bead Size (≥ 99.0%) mm	Pre -expansion Density * g/l	Blowing Agent Content wt%	Moisture Content wt%	k-value ** × 10 ⁻³ W/mk
F-1000	1.4_2.0	11-12	≥ 6.0	≤ 0.80	55.5 _57.5
F-2000	0.9_1.4	12-14	≥ 6.0	≤ 0.80	55.5 _57.5
F-3000	0.7_1.0	14-16	≥ 6.0	≤ 0.80	55.5 _57.5
F-4000	0.5_0.8	16-18	≥ 6.0	≤ 0.80	55.5 _57.5



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ABS Products

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ABS

Typical Application

- Office Supplies
- Home appliances casing
- Heat resistant home
- Printing



GRADE	PRODUCER	VICATE SOFTENING	IZOD IMPACT	MFR
SD 0150	Tabriz	99	22	1.7 (5 Kg)
ABS-40	Ghaed basir	92	30	2 (5 Kg)
ABS-50	Ghaed basir	95	23	3.4 (5 Kg)
ABS-70	Ghaed basir	100	26	1.5 (5 Kg)



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PVC Products

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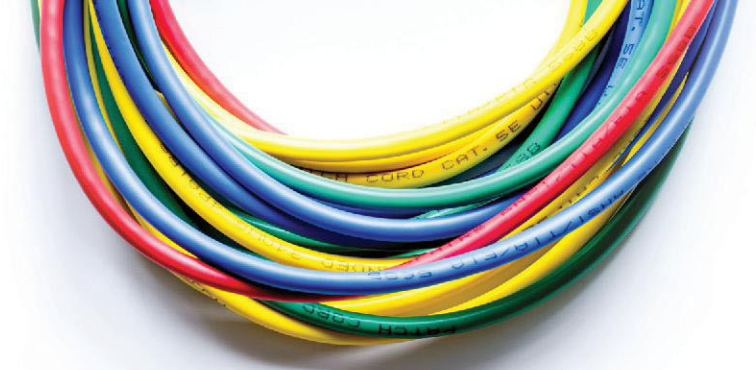


PVC

Typical Application

- Extrusion of flexible section and hoses
- Cable industry
- Injection molding
- Windows profile
- Electric wires

GRADE	PRODUCER	K- VALUE	BULK DENSITY
S 57	Abadan	57	500-560
S 65	Bandar Imam (BIK), Arvand, Ghadir	65	540-600
S 70	Abadan, Hegmataneh	70	445-505
E 6834	Arvand	67-69	-



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PC Products

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PC

Typical Application

- Windows
- Helmet
- Instrument cases and mechanical goods



GRADE	PRODUCER	DENSITY	MFR
PC 0712	Khozestan	1.2	7.1 - 12



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PET

Products

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PET

POLYETHYLENE TEREPHTHALATE

Typical Application

- Packaging all kinds of carbonated drinks
- Packaging food
- Edible oil
- Carbonated water



GRADE	PRODUCER	VISCOSITY	DENSITY
PET 645-Textile grade	Tondgooyan	0.64	1.4 + - 0.4
PET 781-Bottle grade	Tondgooyan	0.78	1.5
PET 785-Bottle grade	Tondgooyan	0.78	2.0
PET 821-Bottle grade	Tondgooyan	0.82	1.5
PET 825-Bottle grade	Tondgooyan	0.82	2.0



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