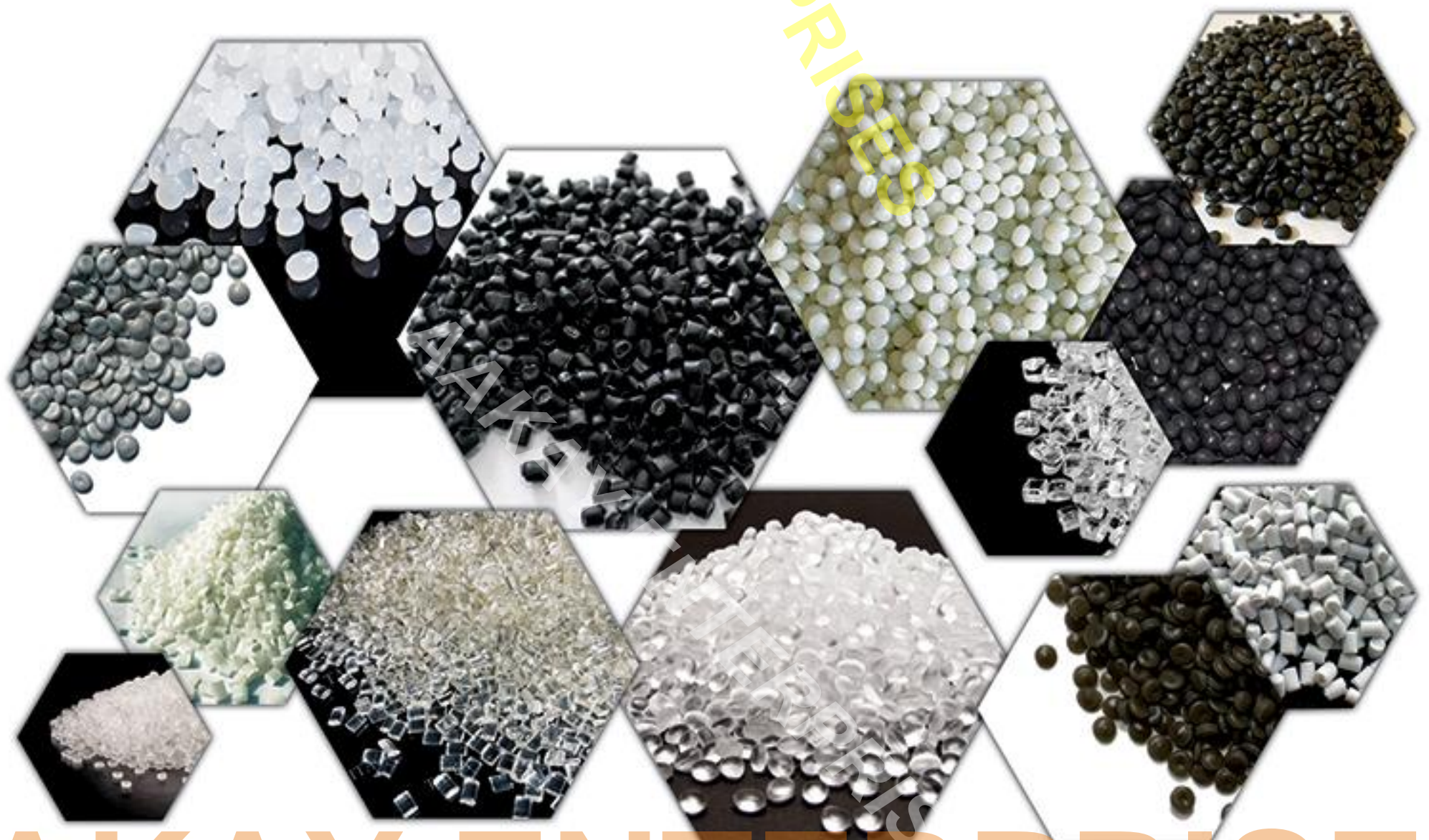




Polymers We Produce & Supply

● We Are Professional in Production & Supply of

- Polyethylene (HDPE: Film, Pipe, Blow Molding, Injection; MDPE; LDPE; LLDPE)
- Polypropylene (Homo; Random; Copolymer; Pipe)
- Polystyrene (GPPS; HIPS; EPS)
- Acrylonitrile Butadiene Styrene (ABS)
- Poly Vinyl Chloride (PVC Suspension; PVC Emulsion)
- Polyethylene Terephthalate (PET Bottle; PET Fiber)
- Butadiene Rubber (Styrene Butadiene Rubber; Polybutadiene Rubber)
- Polycarbonate (PC)
- Compounds, Biodegradable & Engineered Polymers



AAKAY ENTERPRISES

PE POLY ETHYLENE

HDPE
MDPE
LDPE
LLDPE



Polyethylene or polythene (PE) is the most commonly produced plastic which has a broad application spectrum. It is used for plastic containers, bottles, bags, plastic toys, films, tubes, plastic parts, laminates, trash, and grocery bags, agricultural mulch, wire and cable insulation, squeeze bottles, etc.

AAKAY ENTERPRISES



HDPE Film

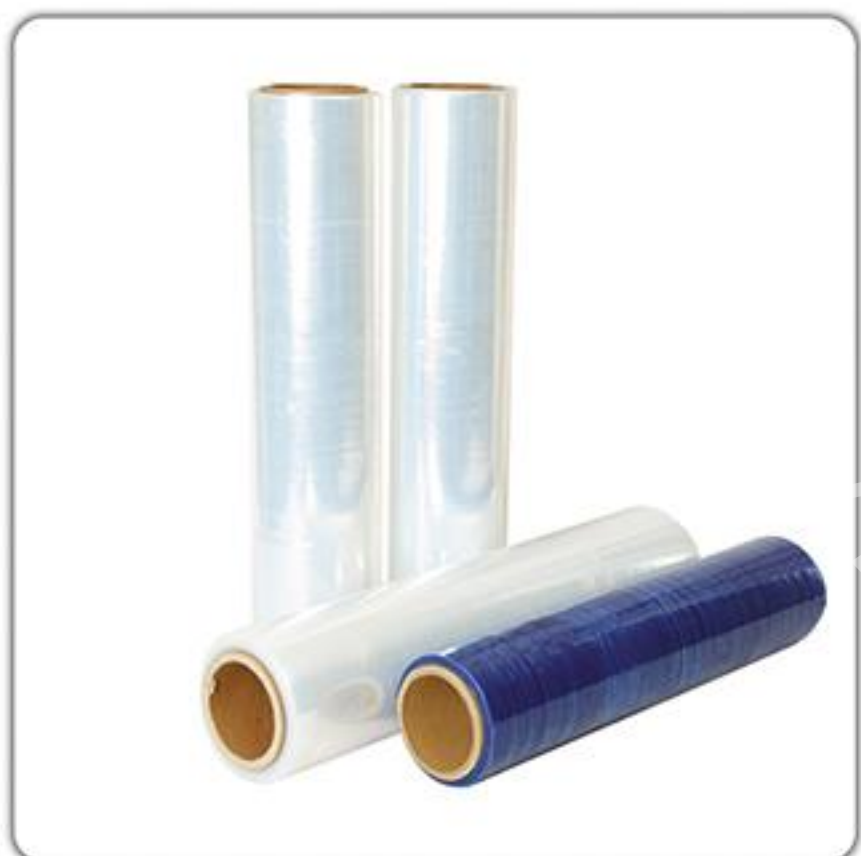
High Density Polyethylene Film

- Applications:
 - Food Packing
 - Wrapping Films
 - Blown Films With Paper Like Quality

- Packing: 25 KG Bags

Grade	MFI	c / Kg	Density (g/cm ³)	Producer
7000 F	0.05	190/2.16	0.952	Ilam/Mehr
HFI 5110	10	190/21.6	0.951	Arya Sasol
EX5 (HM9450F)	8	190/21.16	0.949	Jam/Marun

The available grades are not limited to the selection above. For more grades, contact us or visit our website.





HDPE Pipe

High Density Polyethylene Pipe

- Applications:
 - Waste And Sewer Pipes
 - Gas Pipes
 - Water Pipes
 - Pressure Pipes
 - Agricultural Pipe

- Packing: 25 KG Bags

Grade	MFI	c / Kg	Density (g/cm ³)	Producer
EX3 (PE 80)	6	190/21.6	0.944	JAM/Amirkabir/shazand
EX3 (PE 100)	6.2	190/21.6	0.948	Amir Kabir
CRP100 (HMCRP100N)	6.2	190/21.6	0.948	Jam/Marun/Shazand
CRP100B (HMCRP100B)	6.2	190/21.6	0.957	Jam-Shazand
HEX 4460 PE 80+	6	190/21.6	0.944	Arya Sasol

The available grades are not limited to the selection above. For more grades, contact us or visit our website.



AAKAY ENTERPRISES



HDPE Blow Molding

High Density Polyethylene Blow Molding

- Applications:

- Blow Molding Bottles
- Extrusion Blow Molding
- Containers
- Fuel Tanks, Non-Fuel Reservoirs
- IBC
- Jerrycan
- Open-Top Drum
- Packing Of Pharmaceutical

- Packing: 25 KG Bags

Grade	MFI	· c / Kg	Density (g/cm ³)	Producer
BL3	23	190/21.6	0.954	Jam/Bakhtar/Maroon
BL4	9.5	190/21.6	0.951	Jam
HD0035	0.28-0.43	190/21.6	0.954	Bandar Imam
HBM5510	10	190/21.6	0.955	Arya Sasol

The available grades are not limited to the selection above. For more grades, contact us or visit our website.





HDPE Injection

High Density Polyethylene Injection

- Applications:
 - House Wares
 - Fish Boxes
 - Crates And Tote Boxes

- Packing: 25 KG Bags

Grade	MFI	c / Kg	Density (g/cm ³)	Producer
52505UV	5	190 c/2.16	0.952	Jam
52518	18	190 c/2.16	0.952	Jam
60505UV	7.5	190 c/2.16	0.958	Jam
6070UA	7	190 c/2.16	0.958	Tabriz

The available grades are not limited to the selection above. For more grades, contact us or visit our website.



AAKAY ENTERPRISES



HDPE Caps & Closures

High Density Polyethylene Caps & Closure

- Applications:
 - Beverage Caps
 - Hot Filled And Carbonated Soft Drink
 - Beverage Bottles Caps Of Sparkling Water
- Packing: 25 KG Bags

Grade	MFI	c / Kg	Density (g/cm ³)	Producer
HD5030 SA	3.1	190/2.16	0.951	Tabriz
52505 (CC52502)	2	190/2.16	0.952	Jam

The available grades are not limited to the selection above. For more grades, contact us or visit our website.



AAKAY ENTERPRISES



HDPE Yarn

High Density Polyethylene Yarn

- Applications:
 - Rope
 - Trampoline
 - Fishing Net
 - Woven Sack

- Packing: 25 KG Bags

Grade	MFI	c / Kg	Density (g/cm ³)	Producer
5000 S	0.8	190 c/2.16	0.954	Jam

The available grades are not limited to the selection above. For more grades, contact us or visit our website.



AAKAY ENTERPRISES



MDPE

Medium Density Polyethylene

- Application:

- Film (Film Blowing)
- Geomembrane
- Packaging, Shopping & Career bags
- Agricultural, Building & Construction
- Mining Industry

- Packing: 25 KG Bags

Grade	MFI	c / Kg	Density (g/cm ³)	Producer
MFI 3313	13	190/21.6	0.933	Arya Sasol
MFI 3713	13	190/21.6	0.937	Arya Sasol
MFI 3820	20	190/21.6	0.938	Arya Sasol
3840 UA	0.04	190/21.6	0.938	Tabriz

The available grades are not limited to the selection above. For more grades, contact us or visit our website.





LDPE

Low Density Polyethylene

- Applications:

- General Purpose Bags
- Carrier Bags
- Shrink Films
- Heavy Duty Carrier Bags
- Bags & Pouches

- Agricultural Bags
- Construction Films
- Food Packing
- Cast Film

- Packing: 25 KG Bags

Grade	Application	MFI	Price / Kg	Density (g/cm ³)	Producer
LFI 2047 A	Film	4.7	190/2.16	0.920	Arya Sasol
LFI 2119	Film	1.9	190/2.16	0.921	Arya Sasol
LFI 2130	Film	0.3	190/2.16	0.921	Arya Sasol
LIM 1922	Injection Molding	22	190/2.16	0.010	Arya Sasol
LH 0075	Injection Molding	0.85	190/2.16	0.919-0.922	Bandar Imam
LF 0200	Injection Molding	1.2	190/2.16	0.920	Bandar Imam
2420 H	Cast / Blown Film	1.9	190/2.16	0.924	Amir Kabir

The available grades are not limited to the selection above. For more grades, contact us or visit our website.





LLDPE

Linear Low Density Polyethylene

- Applications:
 - Heavy Duty Plastic Bags
 - Freezer Bags
 - Hand Bags
 - Packing
 - Agriculture Bags

- Packing: 25 KG Bags

Grade	MFI	· c / Kg	Density (g/cm ³)	Producer
LL0209AA	0.9	190/2.16	0.920	Amir Kabir
LL0209KJ	0.9	190/2.16	0.921	JAM
LL22B01/02/03	0.8-1.2	190/2.16	0.920-0.924	Bakhtar
LL220AA/KJ	2.2	190/2.16	0.920	Amir kabir

The available grades are not limited to the selection above. For more grades, contact us or visit our website.



PP POLY PROPYLENE

**Homopolymer
Copolymer
Pipe**

AAKAY ENTERPRISES

Polypropylene (PP) is a thermoplastic “addition polymer” made from the combination of propylene monomers. It is used in a variety of applications to include packaging for consumer products, plastic parts for various industries including the automotive industry, special devices like living hinges, and textiles.

AAKAY ENTERPRISES



PP Homopolymer

Polypropylene Homopolymer

- Applications:
 - Heavy Duty Plastic Jumbo Bags
 - Furniture
 - Caps
 - Closures
 - Toys

- Packing: 25 KG Bags

Grade	MFI	c / Kg	Density (g/cm ³)	Producer
HP 550 J (PP Raffia)	3.2	230/2.16	0.9	Jam, Maroon, Shazand
HP 552 R (PP Fiber)	25	230/2.16	0.9	Jam, Maroon, Shazand
RP 210 G	1.8	230/2.16	0.9	Shazand
C30S	6	230/2.16	0.9	Maroon

The available grades are not limited to the selection above. For more grades, contact us or visit our website.





PP Copolymer

Polypropylene Copolymer

- Applications:

- Lamination
- Packaging of Stationary
- Packaging of Food
- Filters
- Containers

- Packing: 25 KG Bags

Grade	MFI	c / Kg	Density (g/cm ³)	Producer
EP 548 R	21	230/2.16	0.9	Jam
EP 440 G	1.3	230/2.16	0.9	Jam
EP 440 L	0.6	230/2.16	0.9	Jam

The available grades are not limited to the selection above. For more grades, contact us or visit our website.





PP Pipe

Polypropylene Pipe

- Applications:
 - Service Pipes
 - Hot & Cold Water Supply
 - Industrial Water Convergence

- Packing: 25 KG Bags

Grade	MFI	c / Kg	Density (g/cm ³)	Producer
MR 230	1.05	230 c/2.16	0.954	Marun

The available grades are not limited to the selection above. For more grades, contact us or visit our website.



Polystyrene

AAKAY ENTERPRISES

Polystyrene (PS), a hard, stiff, brilliantly transparent synthetic resin is widely employed in the food-service industry as rigid trays and containers, disposable eating utensils, and foamed cups, plates, and bowls. Polystyrene is also copolymerized, or blended with other polymers, lending hardness and rigidity to a number of important plastic and rubber products.

GPPS
HIPS
EPS

AAKAY ENTERPRISES



GPPS

General Purpose Polystyrene

• Applications:

- Shower Cabinet
- Disposable Cups
- Food Containers
- Pen Bodies
- Plastic Bangles
- Stationary Products

• Packing: 25 KG Bags

Grade	MFI	· c / Kg	Density (g/cm ³)	Producer
GPPS 1161	4	200/5	104	Takht e Jamshid
GPPS 1160	2.5	200/200	105	Tabriz
GPPS 1540	11	200/200	91	Tabriz
GPPS 1077	7	200/5	100	Petropak mashregh zamin
G300	3-5	200/5	1.04	Entekhab

The available grades are not limited to the selection above. For more grades, contact us or visit our website.





HIPS

High Impact Polystyrene

- Applications:

- Shower Cabinet
- Disposable Cups
- Food Containers
- Toilet Seats And Tanks, Closures, Instrument Control Knobs

- Yoghurt Pots
- Refrigerator Linings
- Vending Cups
- Bathroom Cabinets
- Pen Bodies

- Packing: 25 KG Bags

Grade	MFI	c / Kg	Density (g/cm ³)	Producer
HIPS 7240	4.5	200/5	97	Tabriz Petrochemical
HIPS 7055	4.4	200/5	92	Petropaak Mashregh Zamin
HIPS 3163	16	200/5	85	Petropaak Mashregh Zamin
HIPS 4125	12	200/5	93	Petropaak Mashregh Zamin

The available grades are not limited to the selection above. For more grades, contact us or visit our website.





EPS

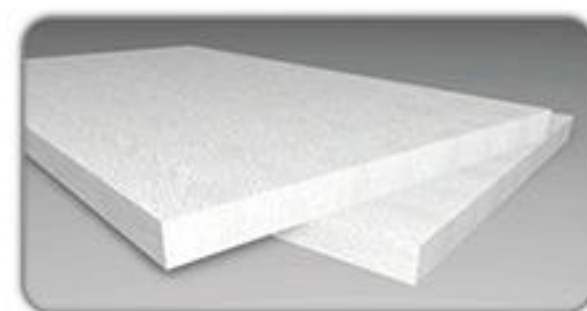
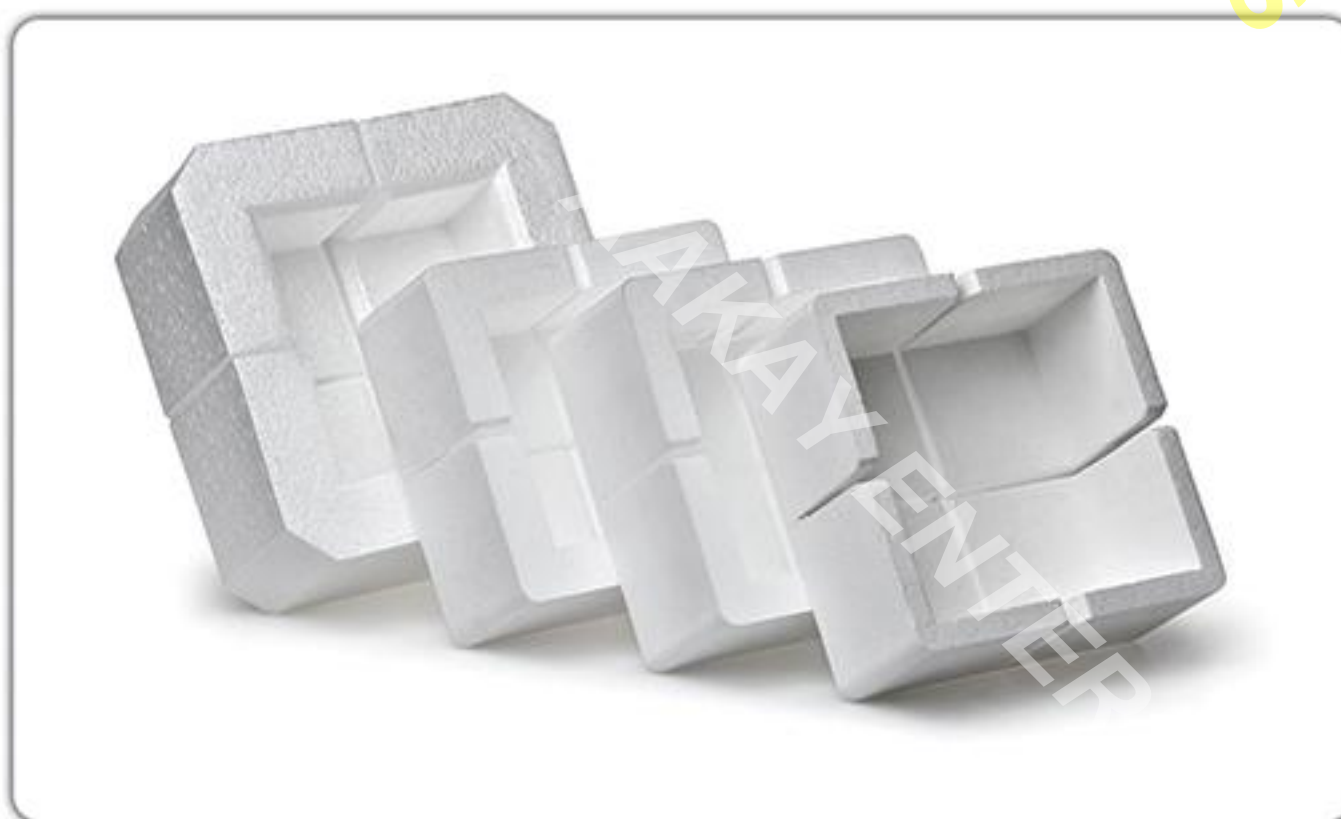
Expanded Polystyrene

- Applications:
 - Rigid Insulation Boards
 - Panel Applications
 - Low Density Housing And Construction Blocks
 - Civil Engineering

- Packing: 25 KG Bags

Grade	Bead Size (MM)	Density (g/cm ³)	Producer
HS 121	1.8-2.5	13-15	Tabriz Petrochemical
F 1000	1.4-2	11-12	Baniar Polymer
F 100	1.2-1.8	7-12	Entekhab Petrochemical
F 450	0.3-0.47	17	Petromol

The available grades are not limited to the selection above. For more grades, contact us or visit our website.



ABS

**Acrylonitrile
Butadiene
Styrene**

AAKAY ENTERPRISES

- A High degree of rigidity
- Good impact resistance at a wide range of temperature
- Good insulation, weldability, and strain restraint
- A High degree of stability and strength

As well as its uses in computer keyboard components and LEGO bricks, ABS is commonly used to make plastic face guards for wall sockets and protective housing for power tools. It is commonly used in the automotive field too, for items such as plastic alloys and decorative interior car parts and pipe fittings.

AAKAY ENTERPRISES



ABS

Acrylonitrile Butadiene Styrene

• Application:

- Printing
- Office Supplies
- Home Appliances Casing
- Heat Resistant Home

• Packing: 25 KG Bags

Grade	MFI	· c / Kg	Vicat Softening	Producer
SD 0150	1.8	220/5	98	Tabriz Petrochemical
ABS 40/50/70	25-35-14	220/10	92-95-100	Ghaed Basir

The available grades are not limited to the selection above. For more grades, contact us or visit our website.



PVC

**Poly
Vinyl
Chloride**

**PVC Suspension
PVC Emulsion**

AAKAY ENTERPRISES

PVC is a versatile material that offers many possible applications including window frames, drainage pipes, water service pipes, medical devices, blood storage bags, cable and wire insulation, resilient flooring, roofing membranes, stationary, automotive interiors and seat coverings, fashion and footwear, packaging.

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PVC Emulsion

Poly Vinyl Chloride Emulsion

- Applications:
 - Windows Profiles
 - Electric Wires
 - Cable Industry
 - Injection Molding
 - Extrusion Of Flexible Hoses
- Packing: 25 KG Bags

Grade	K-Value	Density (g/cm ³)	Producer
E6834	67-69	6≥	Arvand Petrochemical

The available grades are not limited to the selection above. For more grades, contact us or visit our website.





PVC Suspension

Poly Vinyl Chloride Suspension

- Applications:
 - Windows Profiles
 - Electric Wires
 - Cable Industry
 - Injection Molding
 - Extrusion Of Flexible Hoses

- Packing: 25 KG Bags

Grade	K- Value	Viscosity	Producer
S6532	64-66	101-109	Arvand Petrochemical
S6558	64-66	101-109	Bandar Imam
S70	69-71	0.98-1.02	Abadan
S60	59-61	0.74-0.79	Abadan

The available grades are not limited to the selection above. For more grades, contact us or visit our website.



AAKAY ENTERPRISES

PET

**Polyethylene
Terephthalate**

**PET Bottles
PET Fibers**

It is the most common thermoplastic polymer resin of the polyester family and is used in fibers for clothing, containers for liquids and foods, and thermoforming for manufacturing, in combination with glass fiber for engineering resins, Non-oriented sheets to create packaging trays and blister, to make the right cosmetic jars, microwave containers, mesh fabrics in printing, filter oil, and agricultural applications, Automotive industry to make accessories like wiper arm, gear housing, engine cover, and the connector housing.

AAKAY ENTERPRISES



PET Bottle

Polyethylene Terephthalate Bottle

- Application:
 - Package Of All Kinds Of Carbonated Drinks
 - Food Packaging
 - Edible Oil
 - Carbonated Water
 - Pharmaceutical
- Packing: 25 KG Bags

Grade	MFI	Density	Producer
BG 780S	249±3	0.780±0.02	Tonggoyan
BG 780N	249±3	0.780±0.02	Tonggoyan
BG 820S	249±3	0.82±0.02	Tonggoyan
BG 820N	249±3	0.82±0.02	Tonggoyan

The available grades are not limited to the selection above. For more grades, contact us or visit our website.





PET Fiber

Polyethylene Terephthalate Fiber

- Applications:

- Polyester Fabrics In Textile Industry Such As Textile Fabrics, Curtains, Furniture
- Pile Fabrics
- Mattress Fabric
- Car Tire

- Packing: 25 KG Bags


Grade	MFI	Density	Producer
TG640N	255±3	0.64±0.015	Tonggoyan
TG640S	255±3	0.64±0.01	Tonggoyan
TG640SB(N)	255±3	0.64±0.015	Tonggoyan
TG640SB(S)	255±3	0.64±0.01	Tonggoyan

The available grades are not limited to the selection above. For more grades, contact us or visit our website.



BR Butadiene Rubber

SBR
PBR



Butadiene Rubber (BR) is a polymer formed from the polymerization of the monomer 1,3-butadiene used in producing shoe soles, tires, and other parts for the car industry, adhesives and sealants, asphalt and polymer modification, and compounds for endless purposes.

AAKAY ENTERPRISES



SBR

Styrene Butadiene Rubber

• Applications:

- Mechanical Goods
- Tires
- Molded And Extruded Mechanical Rubbers
- Foot Wear
- Tire Sidewalls
- Floor Covering
- Children Toys
- Cables
- Car & Truck Tires
- Shoe Industry

• Packing: 25 KG Bags

Grade	Viscosity	Oil Content	Bounded Styrene	Producer
E-SBR 1502	46-58	<1	22.5-24.5	Bandar Imam / Takht e Jamshid
SBR 1712	42-52	<1	22.5-24.5	Bandar Imam / Takht e Jamshid
SBR 1500	46-58	<1.5	22.5-24.5	Bandar Imam

The available grades are not limited to the selection above. For more grades, contact us or visit our website.





PBR

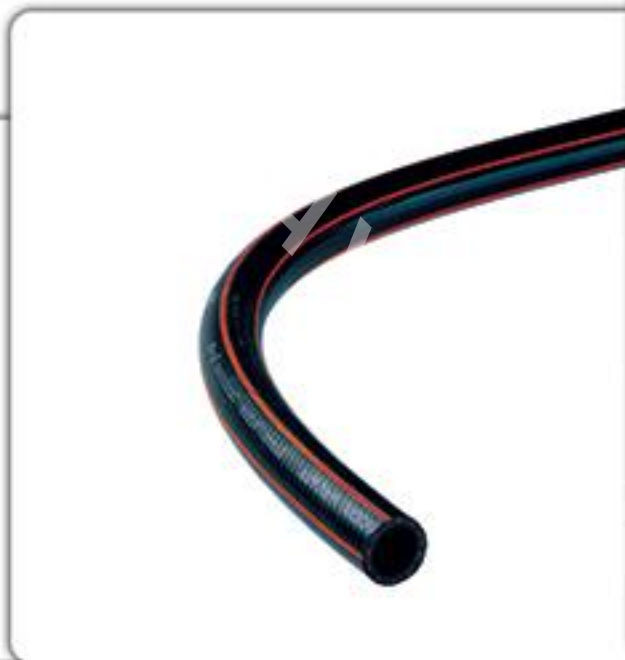
Poly Butadiene Rubber

- Applications:
 - Production of HIPS
 - Rubber Compound For Tires
 - Floor Coverings
 - Foot Wear
 - Children Toys
 - Rubber Hose
 - Belt And Gold Balls

- Packing: 25 KG Bags

Grade	Viscosity	Oil Content	Producer
PBR 1202	40-50	Max 0.3	Takht e Jamshid
PBR1220	41-49	Max 0.3	Takht e Jamshid

The available grades are not limited to the selection above. For more grades, contact us or visit our website.



PC Polycarbonates

Polycarbonate is strong, tough material used for plastic lenses in eyewear, medical devices, automotive components, protective gear, greenhouses, Digital Disks (CDs, DVDs, and Blu-ray), and exterior lighting fixtures.

AAKAY ENTERPRISES



PC

Polycarbonates

- Applications:

- Injection Modeling And Extrusion
- Business Machines
- Packaging
- Sports
- Appliances
- Electrical
- Lighting
- Wire And Cable
- Automotive
- Sheets

- Packing: 25 KG Bags

Grade	Viscosity	Oil Content	Producer
PC 0104	1-4	1.2	Khozestan Petrochemical
PC 0407	4.1-7	1.2	Khozestan Petrochemical
PC 0710	7.1-10	1.2	Khozestan Petrochemical
PC 1012	10.1-12	1.2	Khozestan Petrochemical

The available grades are not limited to the selection above. For more grades, contact us or visit our website.





Compounds & Masterbatches

We are in position to produce and supply various types of masterbatches and polymer compounds at the highest quality level with virgin/ on-grade polymers in different grades as below and also complete the value chain of petrochemical products in downstream industries:

• Applications:

- Polymer Compounds
- Masterbatches
- Additives
- Extruded Polymers
- Bioplastic Compounds
- Plastic Granules
- Solid Pigments

