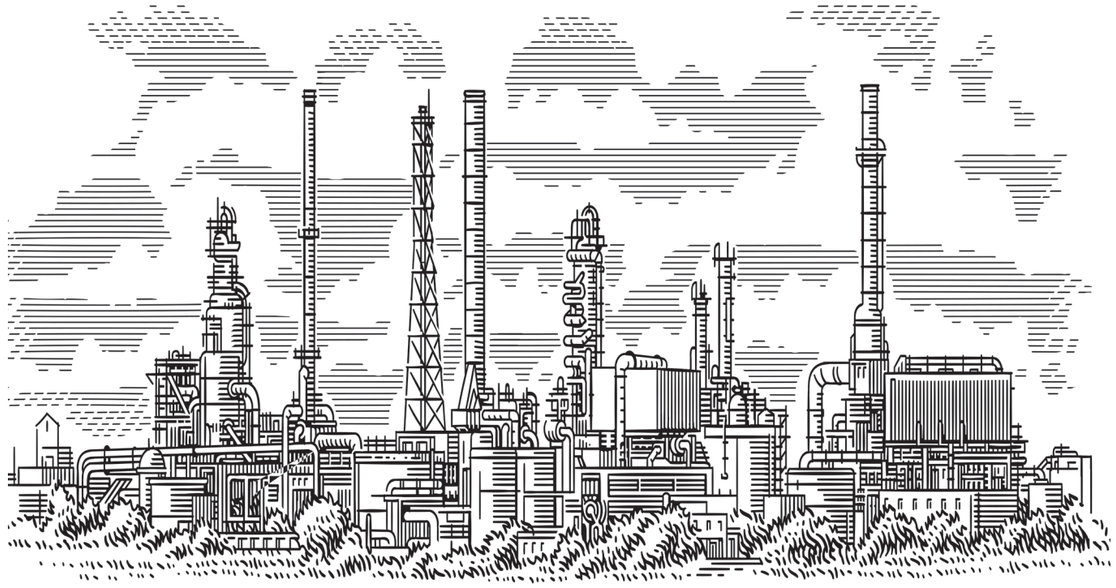
Fest®
a lifetime solution

POLYMER PRODUCT CATALOG

Your Trusted Source for High-Quality Polymer Materials (2025)

www.festpolymer.com

CONTENT



WELCOME

FEST is the dedicated brand for the polymer business sector of **KANZA Business Group**.
Backed by over 25 years combined experience of its team members in the polymer industry, along with a valuable network of more than 20 petrochemical companies across Iran, FEST delivers an extensive range of high-quality polymers including Polyethylene, Polystyrene, Polypropylene, ABS, and Rubbers.
Our products cater to a wide spectrum of industries such as packaging, automotive, construction, household appliances, electrical and electronics, agriculture, and consumer goods manufacturing — empowering our clients with reliable materials to fuel their growth.
Expertise is one of FEST's core values. This commitment is reinforced by a strong advisory panel composed of leading university professors and seasoned business professionals, ensuring that our clients receive not only top-quality products but also strategic insights for their procurement decisions.

FEST proudly exports its products to customers in Asia, Europe, Africa, Australia, and the Americas, driven by our expert marketing, sales, and logistics teams. We stand out by offering complete and tailored solutions, from product sourcing to on-time delivery, enabling our esteemed customers to access **a lifetime solution** for their polymer needs.

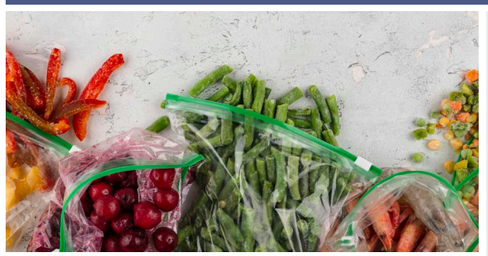
At FEST, honesty, responsibility, and professionalism guide everything we do. We succeed when our customers succeed — that's why we dedicate our full energy to being the trusted partner they can rely on, today and for a lifetime.

Dr. Hossein Fattah
Managing Director

POLYETHYLENE

One of the polyethylene's most attractive properties is its durability, as it resists fading, chipping and many chemical substances such as acids and caustic solutions. Additionally, polyethylene is an excellent electrical insulator, maintaining its properties in extremely cold conditions while being meltable at high temperatures.

High-density polyethylene (HDPE) is characterized by its high density and the structure of its molecular chains, which lack branching. This structure results in products with high tensile strength and durability but lower flexibility compared to Low-Density Polyethylene (LDPE). All polyethylene products are packaged in 25kg bags, palletized, and shrink-wrapped for efficient transportation and storage.



HDPE Film

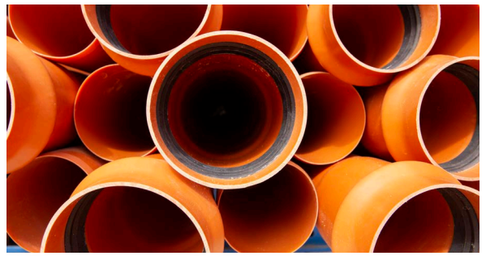
HDPE Film is known for its durability and adaptability, making it a versatile choice across various industries. Its unique composition makes it ideal for numerous applications, including disposable gloves, freezer bags, carrier bags, and garbage bags.

Typical Specification	
MFI (g/10min)	0.04 ~ 10
Density (g/cm3)	0.946 ~ 0.952

Scan to see all grades!

HDPE Pipe

HDPE Pipe is a type of flexible plastic pipe used for fluid and gas transfer and is often used to replace aging concrete or steel mains pipelines.



Typical Specification	
MFI (g/10min)	0.22 (5 kg)
Density (g/cm3)	0.948 ~ 0.957

Scan to see all grades!

HDPE Blow Molding

HDPE Blow Molding is distinguished by its inherent rigidity, high chemical resistance, and excellent balance of stiffness and Environmental Stress Cracking Resistance (ESCR). These attributes make it well-suited for applications such as bottles, containers, and pharmaceutical products.

Typical Specification	
MFI (g/10min)	0.22 (5 kg)
Density (g/cm3)	0.948 ~ 0.957

Scan to see all grades!

HDPE Injection

HDPE Injection grade is a polyethylene with good stiffness and processability. This grade is suitable for applications requiring a balance between ease of flowability and mechanical properties, making it ideal for toys, crates, caps and closures, housewares, and pallets.

Typical Specification	
MFI (g/10min)	5 ~ 28 (21.6 kg)
Density (g/cm3)	0.952 ~ 0.962

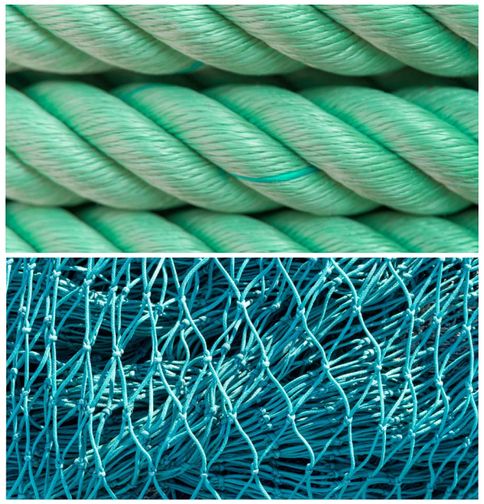
Scan to see all grades!

HDPE Caps & Closer

Industry experts say uses of HDPE in caps and closures will proliferate and will incorporate PCR and PIR. Future designs will “tether” the caps to the bottles as well.

Typical Specification	
MFI (g/10min)	2.2 (2.16 kg)
Density (g/cm3)	0.951

Scan to see all grades!



HDPE Yarn

HD5000S is an HDPE grade specially designed for mono-filament applications, which combines good process-ability with high tenacity. This grade has a good balance of mechanical strength and high production rates. HD5000S is also well suited for multiple applications, like ropes and stretched filaments.

Typical Specification	
MFI (g/10min)	0.8 (2.16 kg)
Density (g/cm3)	0.954

Scan to see all grades!

MDPE Rotomolding

Medium-density polyethylene, commonly shortened to MDPE, is a type of polyethylene defined by a density range of 0.926 – 0.940 g/cm3.
It is less dense than HDPE, which is the more common type of plastic and is sometimes known as ‘black alkathene’.

Typical Specification	
MFI (g/10min)	4 ~ 6.5 (2.16 kg)
Density (g/cm3)	0.944~ 0.954

Scan to see all grades!

LDPE/LLDPE

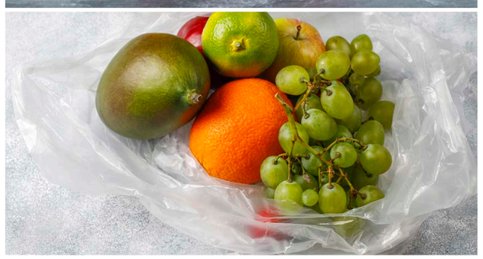
Low-density polyethylene (LDPE) is a durable plastic characterized by numerous side branches in its molecular structure, resulting in a lower density. This gives LDPE a soft feel while maintaining considerable strength.
Linear low-density polyethylene LLDPE has gained popularity for its superior tensile strength, impact resistance, and puncture resistance compared to its low-density polyethylene (LDPE) counterpart. This allows converters to produce thinner films without compromising strength, leading to material savings and cost reductions.

LDPE Film

LDPE film grade exhibits excellent optical properties, toughness, and high melt strength, ensuring good bubble stability during blown film extrusion. LDPE film is widely used in various applications, including Agricultural Films, Bags and Pouches, Liners, Shrink films, Stretch Hoods and Mulches.

Typical Specification	
MFI (g/10min)	0.25 ~ 4 (2.16 kg)
Density (g/cm3)	0.919 ~ 0924

Scan to see all grades!



LDPE Injection

LDPE injection grade provides a unique combination of consistent processability, flexibility, and toughness. This grade is designed for applications that require a balanced blend of flow properties and mechanical strength. It is ideal for use in products such as Toys, Household items, and Clamping Lids.

Typical Specification	
MFI (g/10min)	22 (2.16 kg)
Density (g/cm3)	0.919

Scan to see all grades!

LLDPE Film

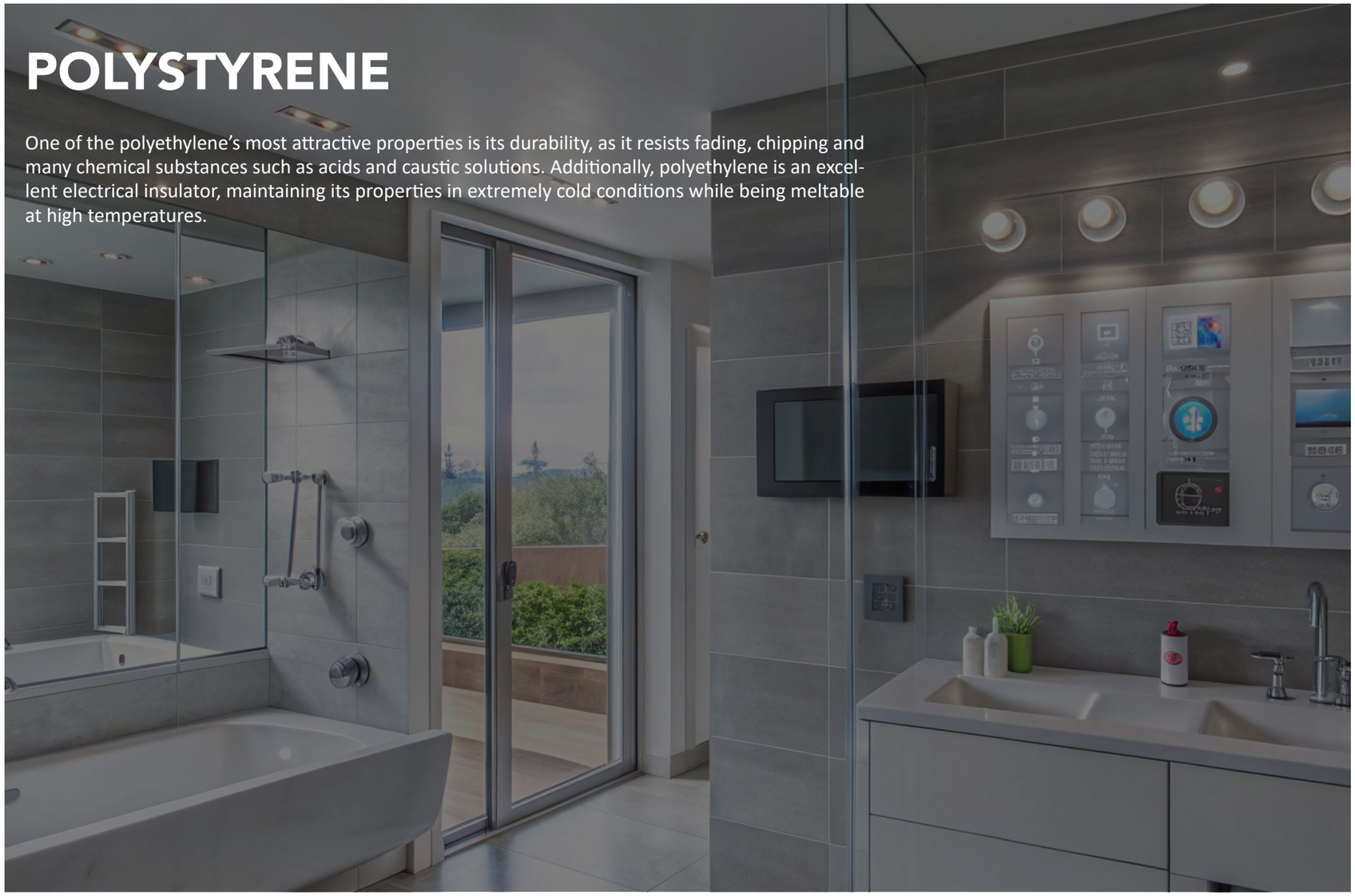
LLDPE's excellent toughness has also expanded its application areas, including frozen food packaging, agricultural films, tapes, shrink film, lamination and protection films, monolayer and multilayer blown films for liner bags, and stretch cling films.

Typical Specification	
MFI (g/10min)	0.6 ~ 3 (2.16 kg)
Density (g/cm3)	0.920 ~ 0.924

Scan to see all grades!

POLYSTYRENE

One of the polyethylene's most attractive properties is its durability, as it resists fading, chipping and many chemical substances such as acids and caustic solutions. Additionally, polyethylene is an excellent electrical insulator, maintaining its properties in extremely cold conditions while being meltable at high temperatures.



GPPS

General-purpose polystyrene (GPPS) is one of the most widely used kinds of plastic that has excellent transparency, high stiffness, and excellent moldability. Its good dimensional stability further enhances its suitability for applications such as disposable cups, food containers, and injection molding.

Typical Specification	
MFI (g/10min)	20 ~ 1.7 (5 kg)
Vicat Softening Point (°C)	85 ~ 105

Scan to see all grades!

HIPS

HIPS with superior mechanical properties compared to GPPS, including increased impact strength, dimensional stability, and thermal resistance. HIPS is utilized in various applications such as packaging containers, refrigerator doors and cabinet liners, cups, computer keyboards, and toys.

Typical Specification	
MFI (g/10min)	3.5 ~ 15 (5 kg)
Tensile Modulus (MPa)	1600 ~ 3110

Scan to see all grades!

EPS

Expanded Polystyrene (EPS), also known as poliexpan or white cork, is a lightweight foamed plastic material primarily composed of 98% air. Derived from polystyrene, EPS exhibits high mechanical strength, moisture resistance. It is widely used in the production of low-, medium-, and high-density blocks.

Typical Specification	
MFI (g/10min)	1.7 ~ 20 (5 kg)
Bead Size (mm)	0.28 ~ 2.8

Scan to see all grades!

POLYPROPYLENE

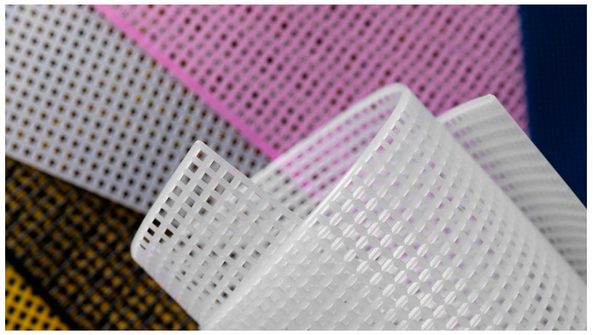
Polypropylene is a versatile thermoplastic polymer valued for its exceptional balance of strength, flexibility, and chemical resistance. It withstands exposure to many acids, alkalis, and organic solvents without losing its integrity. Lightweight yet durable, polypropylene maintains its shape and performance across a wide temperature range, offering excellent fatigue resistance and low moisture absorption—making it ideal for diverse industrial and consumer applications.

PP HomoPolymer

Polypropylene homopolymers are thermoplastics resins produced by the polymerization of propylene with Ziegler-Natta catalysts.
The homopolymers can be used in different processing technologies, such as injection molding, blow molding, film, fiber, sheet extrusion, and thermoforming.

Typical Specification	
MFI (g/10min)	3.2 ~ 25 (2.16 kg)
Density (g/cm3)	0.9

Scan to see all grades!



PP Co Polymer

Polypropylene copolymer (PPC) is a bit softer but has better impact strength, and is tougher and more durable than homopolymer polypropylene. Copolymer polypropylene tends to have better stress crack resistance and low temperature toughness than homopolymer at the expense of quite small reductions in other properties.

Typical Specification	
MFI (g/10min)	1.3 ~ 50 (2.16 kg)
Density (g/cm3)	0.9

Scan to see all grades!

PP PIPE

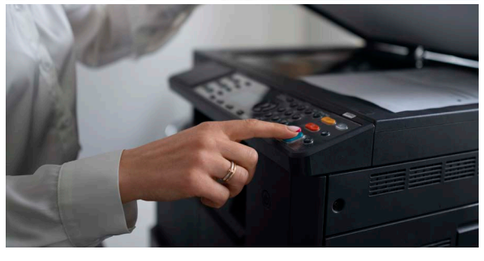
Polypropylene pipe (PPP) is a versatile piping material that is used in a wide range of applications. Two types of PP are used for pressure piping systems: PP-R (polypropylene random copolymer) and PP-RCT (polypropylene random copolymer with modified crystallinity and temperature resistance).

Typical Specification	
MFI (g/10min)	0.3 ~ 0.35 (2.16 kg)
Density (g/cm3)	0.9

Scan to see all grades!

ABS

Acrylonitrile butadiene styrene (ABS) is a widely used thermoplastic polymer favored for injection molding applications. This engineering plastic is renowned for its cost-effectiveness and versatility in processing methods such as injection molding, extrusion, and thermoforming. ABS offers a hostof beneficial properties, including high impact resistance, structural strength, stiffness, chemical resistance, and excellent performance across a wide temperature range.



ABS

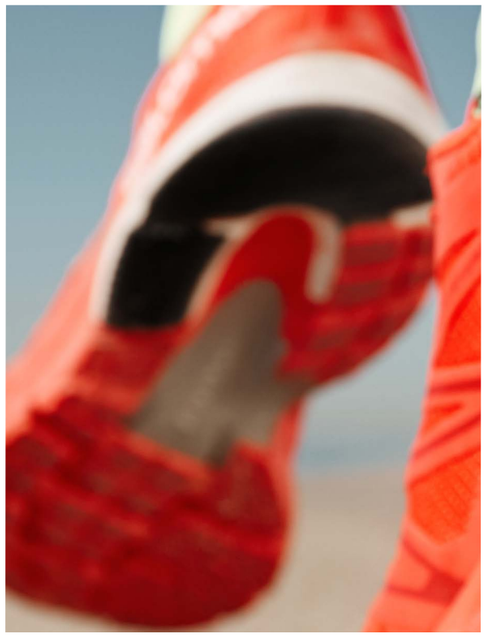
Acrylonitrile butadiene styrene (ABS) exhibits superior electrical insulation properties and is easy to paint and glue. Finished ABS products feature exceptional dimensional stability and a glossy surface finish, making it ideal for manufacturing a range of items including home appliances, automotive parts, components for the electrical industry and medical equipment.

Typical Specification	
MFI (g/10min)	1.5 ~ 3.4
VICATE SOFTENING	95 ~ 100

Scan to see all grades!

RUBBER

Rubber consists of numerous interconnected molecules that form long chains. These chains have the ability to separate and reconnect with each other, demonstrating the elasticity and flexibility of rubber. Among its prominent characteristics is its resistance to abrasion, which exceeds that of steel. Additionally, this material is resistant to contamination from common chemicals and adheres well to fabric and metal.

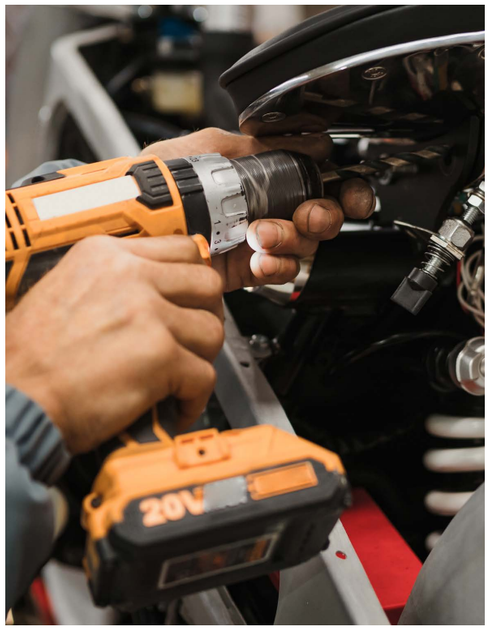


PBR

Polybutadiene rubber (PBR) is a synthetic rubber produced by the polymerization of styrene butadiene. It is one of the polyisoprene polymers and is a synthetic elastomer. It has a high molecular weight, and a high glass transition temperature.

Typical Specification	
Maximum percentage of volatile substances	0.5
Mooney viscosity (ML 1+4 @ 100 °C)	41 ~ 49

Scan to see all grades!



SBR

Styrene-butadiene rubber (SBR) exhibits a structural relationship between styrene and butadiene, making it a widely used copolymer. This polymer is highly prevalent in the rubber industry due to its outstanding physical and mechanical properties.

Typical Specification	
Maximum percentage of volatile substances	0.5
Mooney viscosity (ML 1+4 @ 100 °C)	47 ~ 49

Scan to see all grades!

FEST SERVICES

At Fest, we go beyond supplying polymers — we deliver a complete service ecosystem, from strategic insight to seamless logistics, ensuring every step of your procurement journey is efficient, reliable, and built for long-term success.

Strategic Insight & Custom Solutions
Designing tailored strategies through a deep dive into your current needs and future goals.

Efficient & Scalable Supply Chain
Managing every link in the supply chain to ensure smooth, cost-effective delivery from source to destination.

Relentless Quality Control
Upholding excellence by enforcing strict quality checks across all stages of the supply process.

Smart Trade Documentation
Handling global trade paperwork with clarity, speed, and absolute precision.

Adaptive & Safe Payment Options
Providing reliable international payment methods that align with your cash flow and compliance needs.

Intelligent Logistics Solutions
Handling Delivering organized, on-time, and dependable logistics—designed to work the way your business moves.

FEST POLYMER PARTNERS

شرکت پلیمر آریا ساسول
ARYA SASOL POLYMER COMPANY
INNOVATION CENTER مرکز نوآوری

JPC

شرکت پتروشیمی امیرکبیر

R.P.C
شرکت پتروشیمی شازند

TPC
شرکت پتروشیمی تبریز
(سهامی خاص)

TJPC
شرکت صنایع پتروشیمی تخت جمشید
(سهامی عام)

شرکت پتروشیمی خراسان

شرکت صنایع پتروشیمی کرمانشاه (سهامی عام)
KPIC Kermanshah Petrochemical Industres Co.

Shiraz.P.C
شرکت پتروشیمی شیراز
(سهامی عام)

PETROCHEMICAL Regal

MPC
شرکت پتروشیمی مارون

RPC
شرکت پتروشیمی رازی
RAZI PETROCHEMICAL CO.

Navid Zar Shimi Petrochemical Complex
مجتمع پتروشیمی نوید زر شیمی

GBPC
پتروشیمی قائد بصیر

شرکت پتروشیمی مهر
MEHR PETROCHEMICAL CO.

Fest®
a lifetime solution

From Iran's heart of petrochemicals to your production line — **FEST** delivers **high-quality polymers**, **trusted expertise**, and **complete solutions** that last a lifetime.

(+98) 31 366 93701
(+98) 910 330 1172
www.festpolymer.com
info@festpolymer.com
No. 49, Mardavij Ave., Isfahan, Iran