A Challenger Spirit
in Polymer Distribution

ZAFKINS
POLYMER SOLUTIONS

Company profile

WELCOME TO OUR COMPANY PROFILE

Since its foundation in 2020, ZAFKINS is an innovative, independent and international chemical distribution company specialising in polymers.

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ZAFKINS POLYMER SOLUTIONS

ABOUT **US**

ZAFKINS operates on a global scale, serving industrial companies mostly in Mena, Asia, Europe and Turkey.

Our customers represent a large spectrum of sectors and different polymer applications.

Our main strategic goal is to always be one step ahead in terms of customer preferences. Today, we align our procurement, sales and logistics capabilities to do this, offering a set of innovative solutions and services focusing on customer needs. and providing purchasing assistance, information and control.

We help our customers particularly on: getting competitive prices for both regular and opportunistic purchases; ensuring product availability and convenience; and providing purchasing assistance, information and control.

INNOVATIVE SOLUTIONS FOR INTERNATIONAL POLYMER SELLING, TRADING, AND DISTRIBUTION IN MENA, ASIA, EUROPE AND TURKEY.

1 **Regular purchases** *Price and minimum risk*
The best regular supply for your company at a competitive price and with minimal risk.

2 **Trading** *Challenge the market*
Try our Trading specialists for purchases and sales of particular interest.

3 **Polymer insights** *Market intelligence*
Crude oil, feedstock and polymer price assessments to guide your purchasing decisions.

Specialised polymer selling solutions

We have the solution your company needs for any purpose: whether you are looking for the best regular supply at a competitive price or want to make the most out of your buying power or if you want to take advantage of the best opportunities on the market.

Our Vision

Our vision is to become the indispensable link for achieving an efficient polymer distribution.

We firmly believe that offering the most convenient, efficient and competitive services to our customers, is the best way for that vision to become reality.

A Challenger Spirit in Polymer Distribution

Throughout our history, we have been challenging the rules of traditional distribution to become the most convenient, efficient and competitive polymer supplier for customers, both big companies and small and medium-sized enterprises (SMEs).

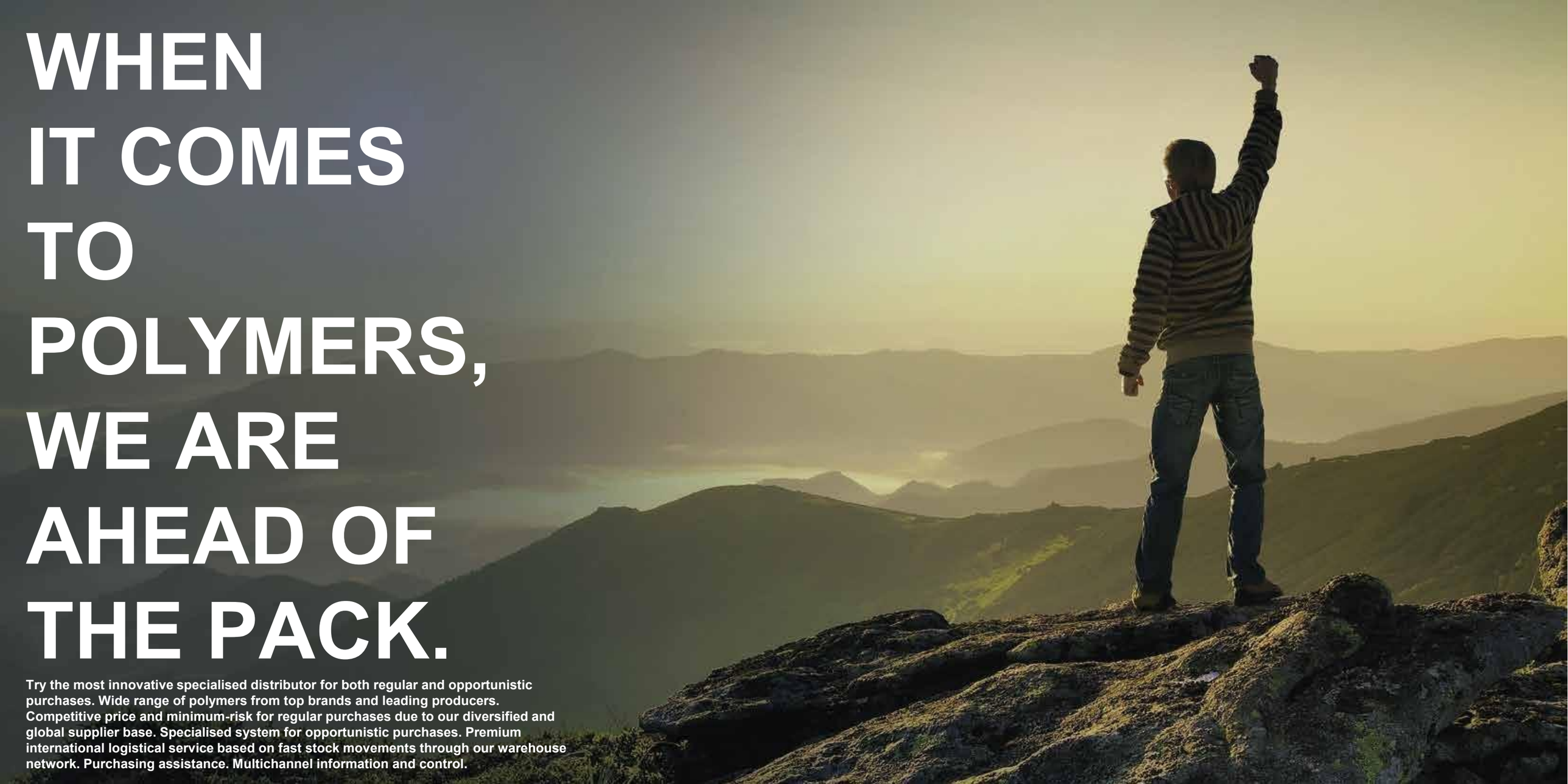
Technical sales and support

Our technical sales and support" team usually works in hybrid model that combines **product knowledge, customer interaction, and problem-solving attitude**. Explain complex products in simple terms, Analyze customer requirements and recommend solutions and delivers the best and most efficient service to our customers.

ZAFKINS POLYMER SOLUTIONS

THE INDISPENSABLE LINK TO AN EFFICIENT POLYMER DISTRIBUTION.

Our vision is to become the indispensable link to achieve efficient polymer distribution. We firmly believe that offering the most convenient, efficient and competitive services to our customers, is the best way for that vision to become reality.



WHEN IT COMES TO POLYMERS, WE ARE AHEAD OF THE PACK.

Try the most innovative specialised distributor for both regular and opportunistic purchases. Wide range of polymers from top brands and leading producers. Competitive price and minimum-risk for regular purchases due to our diversified and global supplier base. Specialised system for opportunistic purchases. Premium international logistical service based on fast stock movements through our warehouse network. Purchasing assistance. Multichannel information and control.

POLYMER / CHEMICAL **CATALOGUE**

Thanks to our wide base of suppliers, we can offer you a wide range of polymers, providing you with the ideal solution for your industry and the specific application you are interested in.

- ***Polyolefins***
- ***Styrenics***
- ***Engineering polymers***
- ***Compounding***
- ***PCR Materials***
- ***Chemicals***

Polyolefins

Polyolefins are the largest group of thermoplastics, with the two most popular types being polypropylene and polyethylene, due to their wide variety of applications. Polyolefins are polymers formed from simple olefins such as ethylene, propylene, butenes, isoprenes or pentenes, or from copolymers and derivative modifications.

LDPE

LDPE, or Low-Density Polyethylene, is a type of polyethylene plastic. It has a lower density, lower molecular weight, and more branching than HDPE, which makes it more flexible and less expensive. LDPE is commonly used in applications where flexibility and low cost are important, such as in packaging, bags, films, and coatings. It is also recyclable, which makes it an environmentally-friendly choice. LDPE is resistant to moisture and some chemicals, but not as much as HDPE.

HDPE

HDPE, or High-Density Polyethylene, is a type of polyethylene plastic that is known for its high density, strength, and durability. It has a higher molecular weight and a lower degree of branching than other types of polyethylene, which gives it greater strength and chemical resistance. HDPE is commonly used in applications such as in containers, pipes, and injection-molded products. It is also recyclable, which makes it an environmentally-friendly choice. HDPE is resistant to weathering, UV radiation, and temperature changes, making it suitable for outdoor applications.

LLDPE

LLDPE, or Linear Low-Density Polyethylene, is a type of polyethylene that is similar to LDPE in its flexibility, but with better performance properties. It has a higher molecular weight and less branching than LDPE, which gives it better strength, impact resistance, and heat resistance. LLDPE is commonly used in applications where these properties are important, such as in packaging, films, and blown or injection-moded parts. It is also recyclable, which makes it an environmentally-friendly choice.

LDPE - Applications

Packaging: Films, bags, and coatings for food, beverages, and industrial chemicals
Medical: Blood bags, intravenous (IV) fluid bags, and medical tubing
Agricultural: Irrigation tubing, greenhouse films, and silage bags
Automotive: Under-the-hood components, gaskets, and seals
Building and construction: Roofing membranes, insulation, and pipe insulation
Wire and cable insulation: Tele and power cables
Film extrusion: Bags, packaging films, and shrink
Blow molding: Containers for food, beverages, and industrial chemicals

HDPE - Applications

Container manufacturing: Bottles, jars, and drums for food, beverages, and industrial chemicals
Pipe manufacturing: Water, sewage, and natural gas pipelines
Geomembranes: Landfills, wastewater treatment plants, and industrial ponds
Injection-molded products: Household items, toys, and automotive parts
Film and sheet manufacturing: Packaging materials, geotextiles, and signage
Agricultural applications: Irrigation systems, silage bags, and livestock feed containers
Transportation: Bus interiors, fuel tanks, and automotive parts
Construction: Pipes, fittings, and geomembranes

LLDPE - Applications

Packaging: Films, bags, and coatings for food, beverages, and industrial chemicals
Blown and injection-molded parts: Automotive parts, appliance parts, and industrial components
Extrusion: Film, pipe, and sheet applications
Medical: Blood bags, IV fluid bags, and medical tubing
Agricultural: Irrigation tubing, greenhouse films, and silage bags
Transportation: Bus interiors, fuel tanks, and automotive parts
Wire and cable insulation: Telecommunications and power cables

mPE

These polymers are high performance, new generation polyethylene (PE), also called Linear Metallocenes. They are used in a large number of film applications, such as packaging, agriculture, construction and building and industrial applications. They offer great performance, significantly improving the general properties of PE and providing added value to the product manufactured.

MDPE

MDPE is a thermoplastic within the polyethylene family with a density of 0.926-0.940 g/cm3, which is less dense than the more common HDPE.

HDPE - Injection Moulding

A versatile thermoplastic polymer with a great cost/performance ratio. Its general hardness, flexibility and impact resistance at low temperatures make it ideal for consumer and industrial products. By complying with FDA regulations it is appropriate for food and medical applications.

HDPE - Blow Moulding

HDPE resins are the choice for many applications due to their resistance to cracking, rigidity and ability to withstand high temperatures and deformation. They provide a great range of properties for almost any blow moulding process for hollow bodies.

HDPE - Blow Film

HDPE resins are used in blown film applications where rigidity and low thickness are very important. The composition of HDPE offers optimum performance features for blown film processes.

HDPE - Pipe

Notable mainly for its strength, low cost and impact resistance.

EVA

EVA is an elastomer used to produce materials that look “rubbery” due to their softness and flexibility. The vinyl acetate content determines the degree of elasticity; it also has good transparency and gloss and resistance at low temperature to stress cracking and UV radiation. EVA has a slight characteristic odour of vinegar (acetic acid) and competes with rubber products, as well as with certain polymers in many electrical applications.

PPC

Polypropylene copolymer (PPC) is a bit softer, but has better impact resistance, is stronger and more durable than polypropylene homopolymer (PPH). It tends to have a better resistance to stress cracking and a lower strength at temperature than the homopolymer, with other slight reductions in the performance of other properties.

PPC Random

Random PPC, unlike PPC, has the comonomer units arranged in irregular or random patterns along the polypropylene molecule. They are generally selected for applications where a more malleable and more transparent product is desired, although with less impact resistance than PPC.

PP Compounds

Polypropylene compounds are thermoplastic resins produced using a mixture of one or more base polyolefins with various components, such as impact modifiers, fillers and strengtheners (e.g. mineral fillers and glass fibre), pigments and additives. These polypropylene compounds offer a wide range of features and are used in a wide variety of applications.

PPH

Polypropylene is an economical material that offers a combination of excellent physical, mechanical, thermal and electrical properties not found in any other thermoplastic. Compared with low- or high-density polyethylene, it has lower impact resistance, but a higher temperature resistance and higher tensile strength. Polypropylene homopolymer (PPH) is the most used. It has a high strength/weight ratio and is more rigid than the copolymer. This, combined with good chemical resistance and weldability, means it is used in many corrosion resistant structures.

POEs and POPs

These are PP elastomers with a molecular structure of propylene and ethylene monomers integrated in the molecular chain having very diverse applications. The ethylene content determines the degree of elasticity and they have the advantage of being able to be mixed with PE and PP of all kinds.

Styrenics

Styrene polymers take styrene as a monomer. General purpose Polystyrene (PS) is the main polymer in this category by volume of consumption, followed by acrylonitrile butadiene styrene (ABS). Polystyrene properties make it ideal for a large number of applications in many industries, such as construction, packaging and consumer goods.

GPPS

With its transparency Polystyrene provides relatively good strength and weatherability. It flows easily, making it suitable for use in moulding for the manufacture of products such as toys, CD-DVD cases and plastic cups. It has a clear, high gloss finish.

HIPS

High impact polystyrene (HIPS) consists of clear PS and rubber which makes it opaque and white. It is a versatile, economical and impact resistant polymer that is easy to process. It is frequently used in the processing of semi-finished prototypes, as it has excellent dimensional stability and is easy to transform, paint and stick.

ABS

Acrylnitrile Butadiene Styrene (ABS) is an amorphous Terpolymer with good strength and impact properties and allows processing to applications with glossy surface like automotive parts, toys, housing, household and consumer goods.

MABS

Transparent ABS (M-ABS) provides excellent transparency as well as good mechanical properties. It is used in various applications requiring transparency like electronic devices, frames and panels, householding. Processing and moulding conditions are similar to ABS.

SAN

Styrene acrylonitrile (SAN) has moderately low ductility compared with other thermoplastics, and is very commonly used instead of polystyrene due to its higher thermal resistance.

EPS

Expanded polystyrene (EPS) refers to a rigid, tough, and lightweight thermoplastic product. EPS is generally white and made of pre-expanded polystyrene beads. EPS is ideal for the packaging and construction industries due to its light weight, strong and excellent thermal insulation properties.

Engineered polymers

Engineering polymers are a group of plastic materials that have improved mechanical and thermal properties that make them ideal for all types of engineering applications, replacing traditional materials equal or greater in weight, hardness or other properties, while being much simpler to manufacture, especially with complex shapes.

PA 6

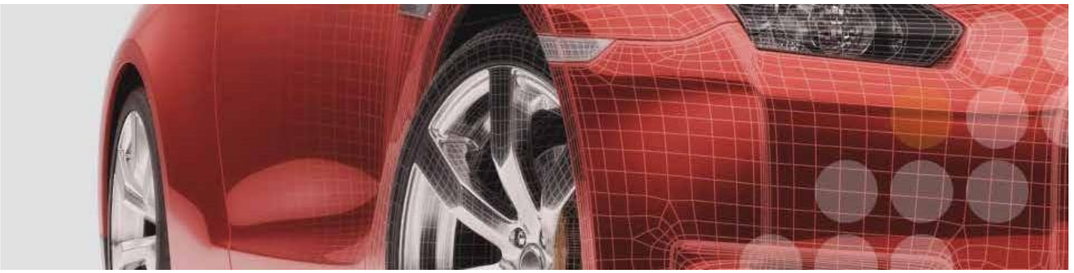
This semicrystalline thermoplastic is one of the most widely used engineering thermoplastics by providing well balanced properties in strength, stiffness and chemical resistance. It has improved surface appearance and processability compared to PA 66 but lower modulus and absorbs moisturemore rapidly. PA 6 can be processed by extrusion (e.g. fibres, profiles) and injection.

PA 6.6

PA 6.6 offers an excellent balance of mechanical properties (strength, stiffness, impact) and heat / chemical resistance. Therefore PA 6.6 very often is considered as an outstanding candidate for metal replacement.

PPS

PPS is a semicrystalline polymer offering excellent properties in high temperature and chemical resistance as well as dimension stability. Because of its inherent flame retardancy PPS is often used for electrical applications requiring high temperature resistance. Due to its low viscosity PPS can be moulded even with high loading of fillers and reinforcements.



PC

Polycarbonate is a transparent thermoplastic with excellent impact resistance. Its high-performance properties make it the leading plastic for various applications requiring high operating temperatures and safety features. Polycarbonates are unique in their working temperatures and in their ability to experience minimal degradation between heating and cooling points.

POM

Polyoxymethylene (POM), commonly known as acetal or polyacetal, is a high-performance engineering thermoplastic characterized by high stiffness, low friction, excellent dimensional stability, and high wear resistance. Ideal for precision parts, it serves as a metal substitute in gears, bearings, and automotive components, functioning well in moist environments due to low moisture absorption.

PMMA

PMMA or Polymethyl Methacrylate is a Super transparent, amorphous PMMA offers high resistance to UV light and weathering, chemical and heat resistance, long service life, and unlimited colouring options for various applications. The most popular & used grades in PMMA are P20HR and P20MH is a General-purpose grade suitable for injection moulded housewares, automotive tail lights, optical lens, as well as for extrusion sheets, pipes, and rods.

Engineered Plastic Compounding Materials

Our range of compounding materials is engineered to optimize the physical, thermal, and aesthetic properties of base resins. Whether you are aiming for cost reduction, structural reinforcement, or environmental resistance, our additives provide the precision needed for high-specification manufacturing.

Blends (Alloy)

A polymer mixture ("alloy") is the combination of two or more polymers that fuse to create a new material with different physical properties. Polymer blends are an effective method of developing new polymer-based materials for a wide range of applications. The key to their proper use is to adjust the properties of the new material by appropriate selection of the component polymers.

PA Compounds

Polyamides (PA) can be modified with fillers, fibers, internal lubricants, impact modifiers etc. to improve mechanical properties, heat and chemical resistance or processability depending on the demand of end-use and application requirement.

Compounds

ABS / ABS Alloy / ABS GF Reinforced
PC / PC Alloy – GF Reinforced
PC / PC Alloy – Unreinforced
PMMA Alloy
PC / ABS Alloy
PA 6 / GF – MF Reinforced
PA 66 / GF Reinforced
PBT Alloy / PBT GF Reinforced
ASA Alloy
PET Alloy
PP – GF / MF Reinforced
PPC - Unreinforced
PPS – GF Reinforced
MPPE – GF Reinforced

Blending and Speciality Materials

1. Reinforcements & Fillers
Glass & Carbon Fibers: High-tenacity Fibers designed for maximum tensile strength and dimensional stability in engineering plastics.
Mineral Fillers (Talc/Calcium Carbonate): Surface-treated minerals that improve rigidity and heat resistance while optimizing material costs.

2. Stabilization & Protection
UV Stabilizers & Absorbers: Protects polymers from degradation, discoloration, and brittleness caused by outdoor exposure.
Antioxidants: Prevents thermal oxidation during high-temperature processing and extends the service life of the final part.
Flame Retardants: Halogenated and halogen-free solutions designed to meet stringent UL-94 safety standards.

3. Processing & Property Modifiers
Impact Modifiers: Specialized elastomers that enhance toughness and energy absorption, even in sub-zero temperatures.
Processing Aids: Lubricants and dispersants that improve melt flow, reduce cycle times, and ensure uniform additive distribution.
Plasticizers: High-purity esters used to increase flexibility and workability in PVC and other vinyl compounds

Applications:

1. **Automotives Parts**
2. **Electronics / Electricals / Telecommunications**
3. **Home Appliances**

ZAFKINS POLYMER SOLUTIONS

PCR (Post Consumer Recycled Materials)

PCR (Post-Consumer Recycled) refers to materials made from plastic waste that has been discarded by consumers, collected, recycled, and then newly manufactured.

With growing interest in environmental protection and sustainable development,
PCR plastic has emerged as an innovative alternative that efficiently utilizes resources and helps reduce environmental pollution.

PCR plastic is being used across various industries, including apparel, packaging, automotive, and construction.

Apparel Industry: Used to create eco-friendly clothing and accessories.

Packaging Materials: Utilized as sustainable packaging for food, electronics, cosmetics, and more.

Automotive Industry: Used in parts and interior materials, contributing to lightweighting and environmental protection.

Construction Industry: Used as sustainable building materials.

PCR PC

Material Properties	Test Method	Unit (Condition)	SPC 1010	SPC 1020	SPC 1060
MELT INDEX	ASTM D1238	g/10min (300°C/1.2Kg)	**10±3**	**20±3**	**70±10**

PCR PP

Material Properties	Test Method	Unit (Condition)	SPP 1020	SPP 1030	SPP 1040
MELT INDEX	ASTM D1238	g/10min (230°C/2.16Kg)	**20±3**	**30±5**	**40±5**

PCR ABS

Material Properties	Test Method	Unit (Condition)	SA 1015	SA 1020	SA 1030
MELT INDEX	ASTM D1238	g/10min (220°C/10Kg)	**15±3**	**20±3**	**30±5**

CHEMICALS

BPA - Bisphenol A (BPA) is a synthetic industrial chemical. It is widely used to make polycarbonate plastics and epoxy resins. BPA serves as a critical building block. It lends strength & durability to numerous everyday products—from water bottles as well as food-storage containers to coatings lining metal packaging.

BPA – Bisphenol A

Properties	Test Methods	Specification range		Values	Units
		Max	Min		
OP-BPA	HPLC	99.8000		99.9100	%
OP-BPA	HPLC		800.0000	117.0000	%
Phenol	HPLC		50.0000	11.0000	ppm
Solution Color	ASTM(D4789-03)		10.0000	6.0000	hazen
Iron	ASTM(D6143-05)		0.5000	0.0110	ppm
Form	Visual			Prill	

LAO’s (Linear Alpha Olefins)

LAO's (C10-C12-C14) : Linear Alpha Olefins high-purity \(C_{10}\), \(C_{12}\), and \(C_{14}\) Linear Alpha Olefins are straight-chain, terminal hydrocarbons engineered for high-performance chemical synthesis. Characterized by excellent linearity and a highly reactive alpha-double bond, these specific fractions serve as the critical backbone for premium synthetic lubricants, eco-friendly surfactants, and specialized chemical intermediates.

Material Property	1-Decene (C10H20)	1-Dodecene (C12H24)	1-Tetradecene (C14H28)	Relevance to Customers
Chemical Structure	CH3(CH2)7CH=CH2	CH3(CH2)9CH=CH2	CH3(CH2)11CH=CH2	Determines final derivative chain length
Molecular Weight	140.26 g/mol	168.32 g/mol	196.38 g/mol	Crucial for stoichiometric reaction blending
Physical Appearance	Clear, colorless liquid	Clear, colorless liquid	Clear, colorless liquid	Ensures high visual purity in finished products
Purity (n-Alpha Olefin)	>= 95.0 wt%	>= 94.5 wt%	>= 94.0 wt%	High linearity minimizes unwanted byproducts
Density (at 25°C)	0.737 g/mL	0.755 g/mL	0.771 g/mL	Used for storage capacity and weight-to-volume dosing
Boiling Point (1 atm)	170.6°C (339°F)	213.4°C (416°F)	251.2°C (484°F)	Defines thermal thresholds during distillation
Melting / Freezing Point	-66.3°C	-35.2°C	-12.0°C	Critical for low-temperature handling and winter storage
Kinematic Viscosity (at 40°C)	0.83 cSt	1.29 cSt	2.10 cSt	Dictates pump selection and fluid hydraulics
Flash Point (Closed Cup)	49°C (120°F)	77°C (171°F)	110°C (230°F)	Classifies safety ratings and facility fire protection

WHEN OTHERS DO THE SAME, WE OPEN NEW PATHS

Throughout our history, we have been challenging the rules of traditional distribution to become the most convenient, efficient and competitive polymers supplier for customers, both big companies and SMEs. Today, we maintain our spirit offering a set of innovative solutions to satisfy increasingly demanding customers.

OUR **SOLUTIONS**

Specialised polymer selling solutions

We provide the solution your company needs for any purpose: whether you are looking for the best regular supply at a competitive price, want to make the most out of your buying power or if you want to get the utmost benefit out of your market.

Regular purchases

At ZAFKINS, we offer a regular supply of products to companies in numerous industries and for a host of applications. If your company is looking for a supply with guarantees, minimum risk and competitive prices, ZAFKINS is your best option.

Trading

Challenge the market

We maintain contacts with numerous agents in the polymer market, both at the GCC and international level. This network of contacts, together with the possibilities offered by our own international network of warehouses, means we can offer you an exclusive service for you to get the maximum potential out of your purchasing power; or, conversely, you can place a certain product on the market.

Polymer insights

Market Intelligence delivered by ZAFKINS

ZAFKINS again challenges the rules of traditional distribution by providing the market intel and intelligent solution to their clients in GCC, ASIA, MENA, EUROPE for polymer purchasing decision makers. Our main goal is to bring transparency into a complex and highly volatile market helping our customers to make the right decisions at the right moment. This goal alligns perfectly with our vision to become the indispensable link for achieving an efficient polymer distribution and our commitment to offer the most convenient, efficient and competitive services to our customers.

BEING DIFFERENT IS ALSO AN ATTITUDE

Our main strategic goal is to always be one step ahead of our competitors in terms of customer preferences. Particularly on getting competitive prices for both regular and opportunistic purchases; ensuring product availability and convenience; and providing purchasing assistance, information and control.

OUR **COMPETENCIES**

Polymer sales and distribution

Technical sales and support

Our technical sales and support" team usually works in hybrid model that combines **product knowledge, customer interaction, and problem-solving attitude**. Explain complex products in simple terms, Analyze customer requirements and recommend solutions and delivers the best and most efficient service to our customers.

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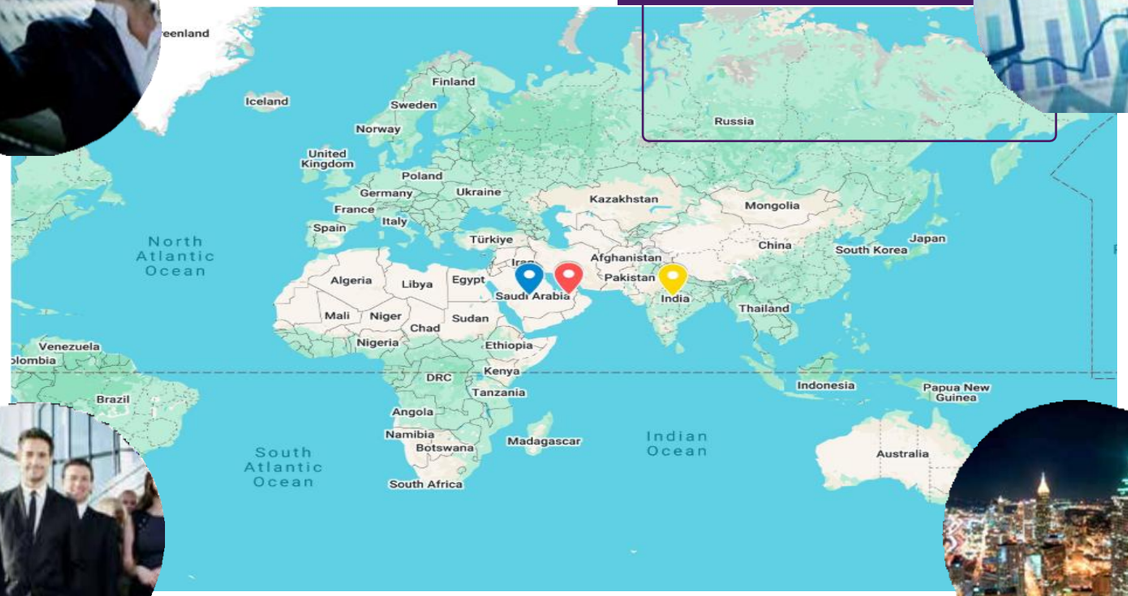

Sourcing and purchasing

A wide selection of polymers

We offer a wide range of polymers thanks to our extensive supplier base, where you will find the ideal solution you need for your industry and the specific application you are interested in.

A large supplier base

Our supplier portfolio includes the world's leading producers of polymers: both large international brands and producers with great growth potential. We maintain a regular supply from the producers in the list and can provide you access to any other, worldwide.

YOU WON’T FEEL LIKE ONE MORE CUSTOMER ANYMORE

Our main strategic goal is to always be one step ahead of our competitors in terms of customer preferences. Today, we align our sales, logistics and IT capabilities to do this, offering a set of innovative solutions and services focusing on customer needs. Particularly on: getting competitive prices for both regular and opportunistic purchases; ensuring product availability and convenience; and providing purchasing assistance, information and control.

Polymer logistics

International & multimodal polymer transportation

We have extensive experience in the international transport of polymers and can offer you a complete range of logistics services: including any mode of transport, the integral management of the movement of goods while taking responsibility for added value logistical operations for your company.

Logistics-Hubs in GCC & India

ZAFKINS LLC operates through four main logistics hubs located in Dammam & Jeddah port (Saudi Arabia), Jabel Ali (Dubai), Mundra & Nava Shiva (India)

- Service - Level to markets
- Logistics efficiency
- Stock optimisation
- Value - added operations
- Import costs

- Sea Freight
- Air Freight
- Road Transport
- Project Cargo
- Rail Transport
- Customs
- Warehouse & Contract Logistics
- Out Sourcing
- Local Support

GET IN TOUCH WITH US

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