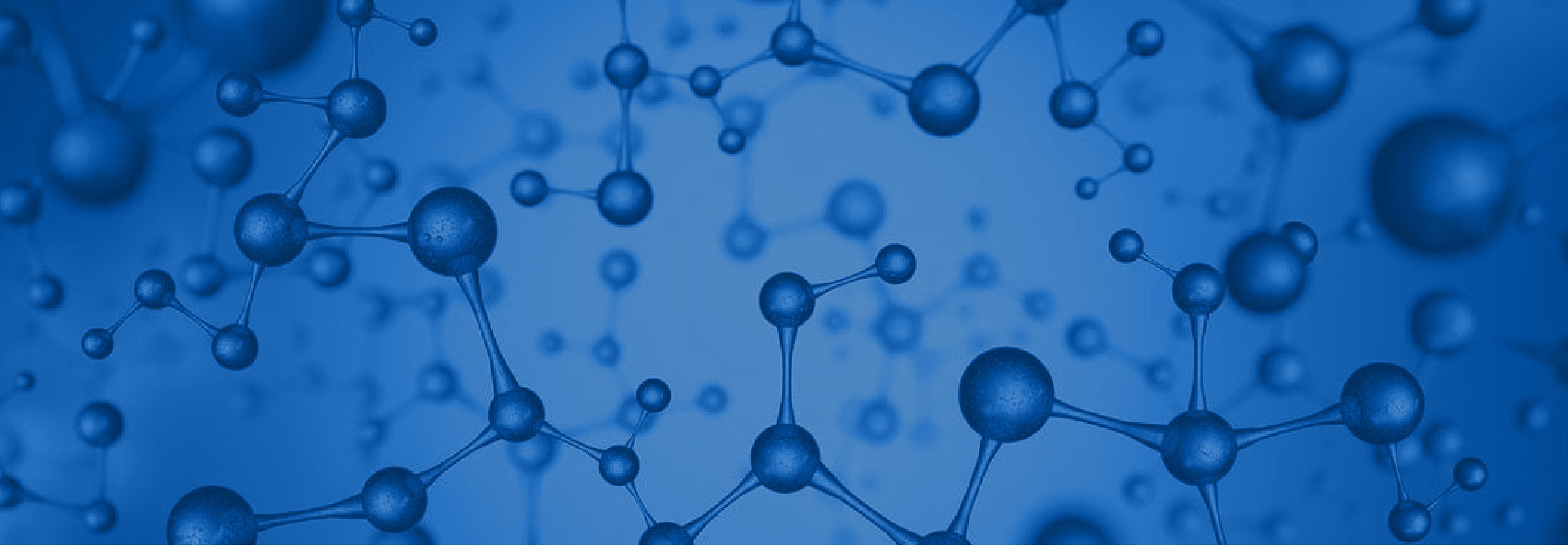




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PRODUCTS CATALOG



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GLOBAL NEXUS

The Global Link to Efficient Polymer Distribution



Global Nexus, A brief overview

About Us

Founded in 2024, Global Nexus is an independent, innovative company specializing in the distribution of polymers worldwide. We primarily serve industrial companies across Eastern Europe and Northern Africa, providing high-quality materials tailored to diverse applications. Our strategic objective is to anticipate customer needs by enhancing our sales, logistics, and IT capabilities. We offer innovative solutions, purchasing support, and market insights to streamline the supply chain and optimize efficiency.

Our Vision

Global Nexus aims to be the indispensable link in the global polymer distribution network. Our goal is to position ourselves at the heart of the industry's supply chain, delivering competitive, efficient, and seamless services.

Polymer Catalogue

Through our extensive supplier network, we offer a diverse range of polymers, ensuring optimal solutions for various industries and applications.

- Low-Density Polyethylene (LDPE)
- Linear Low-Density Polyethylene (LLDPE-C4, C6, C8)
- Medium-Density Polyethylene (MDPE)
- High-Density Polyethylene (HDPE)
- Ethylene Vinyl Acetate (EVA)
- Polypropylene (PP)

Polyolefins

1. Low-Density Polyethylene (LDPE)

Description: A flexible and durable polymer used in high-performance and general-purpose applications. Available in various grades tailored for different processing techniques such as extrusion, injection molding, and roto molding.

Applications:

- Blown film sheets for industrial and agricultural use
- Manufacturing of plastic bags, stretch films, and irrigation pipes
- Coatings for paper and cardboard
- Production of toys and disposable utensils



Polyolefins

2. Linear Low-Density Polyethylene (LLDPE-C4, C6, C8)

Description: LLDPE comes in different variants (C4, C6, C8) with varying densities, offering excellent mechanical and thermal properties. It is widely used in combination with LDPE and HDPE to enhance material performance.

Applications:

- Food and frozen food packaging
- Extrusion coating for paper and cardboard
- Film wrapping and industrial packaging



Polyolefins

3. Medium-Density Polyethylene (MDPE)

Description: A polyethylene variant with a density range of 0.926-0.940 g/cm³, balancing flexibility and strength.

Applications:

- Gas pipes and fittings
- Packaging films and transport bags
- Bottle blowing



Polyolefins

4. High-Density Polyethylene (HDPE)



Injection Molding: Strong, rigid polymer with excellent impact resistance at low temperatures.

Applications:

- Storage containers and sports accessories
- Industrial packaging
- Food-grade boxes and medical products



Blow Molding: Offers high resistance to deformation, making it ideal for fluid storage.

Applications:

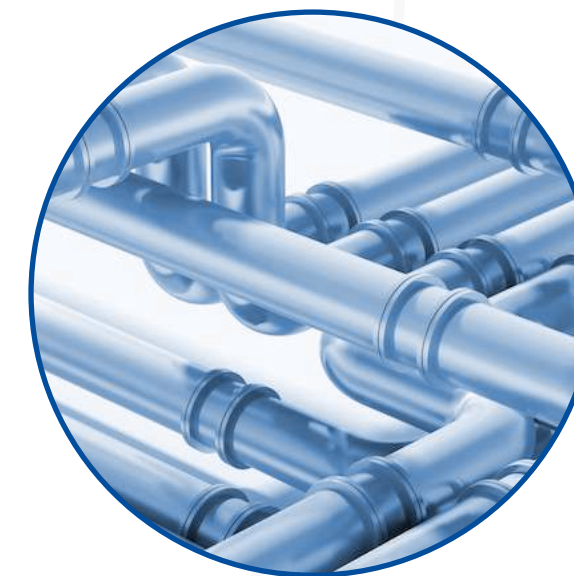
- Detergent, juice, and milk containers
- Industrial drums and pharmaceutical packaging



Blow Film: Used for thin, durable films requiring rigidity.

Applications:

- Agricultural and meat packaging
- Transport bags and cereal box liners



Pipe: Known for its strength and cost-efficiency in fluid transportation.

Applications:

- Water and gas pipelines
- Industrial tubing

Polyolefins

5. Ethylene Vinyl Acetate (EVA)

Description: A flexible and soft elastomer with excellent transparency, UV resistance, and stress-cracking resistance.

Applications:

- Hand grips and flexible tubing
- Filters and vacuum cleaner components
- Encapsulation of photovoltaic cells



Polyolefins

6. Polypropylene (PP)



Homopolymer (PPH): High strength-to-weight ratio with excellent chemical resistance.

Applications:

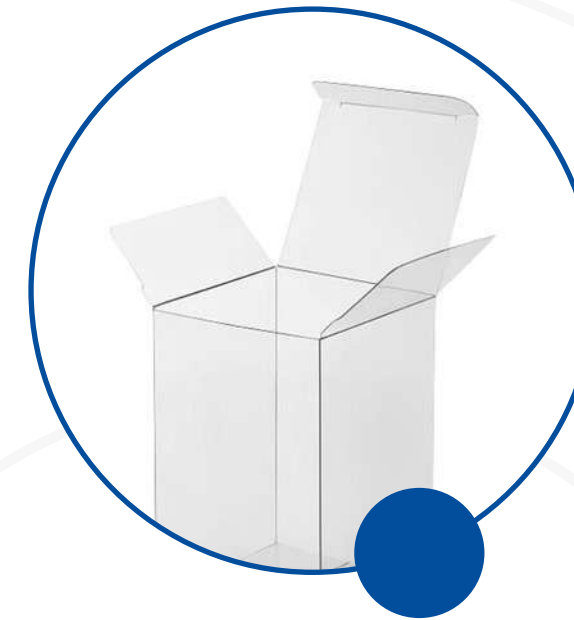
- Medical devices and storage tanks
- Caps, lids, and biaxially oriented polypropylene (BOPP) film



Copolymer (PPC): More impact-resistant and durable than PPH.

Applications:

- Bottles, lids, cups, and thermoformed sheets



Random Copolymer (PPC Random): Malleable, transparent, and ideal for aesthetic applications.

Applications:

- Clear packaging and blow molding
- Injection molding and thermoforming



PP Compounds: Customized blends with enhanced mechanical properties for industrial use.

Styrenics

7. General Purpose Polystyrene (GPPS)

Description: Transparent, high-gloss polymer with good impact strength and weather resistance.

Applications:

- Toys and rigid packaging
- Cosmetic and jewelry boxes
- DVD cases and lighting diffusers



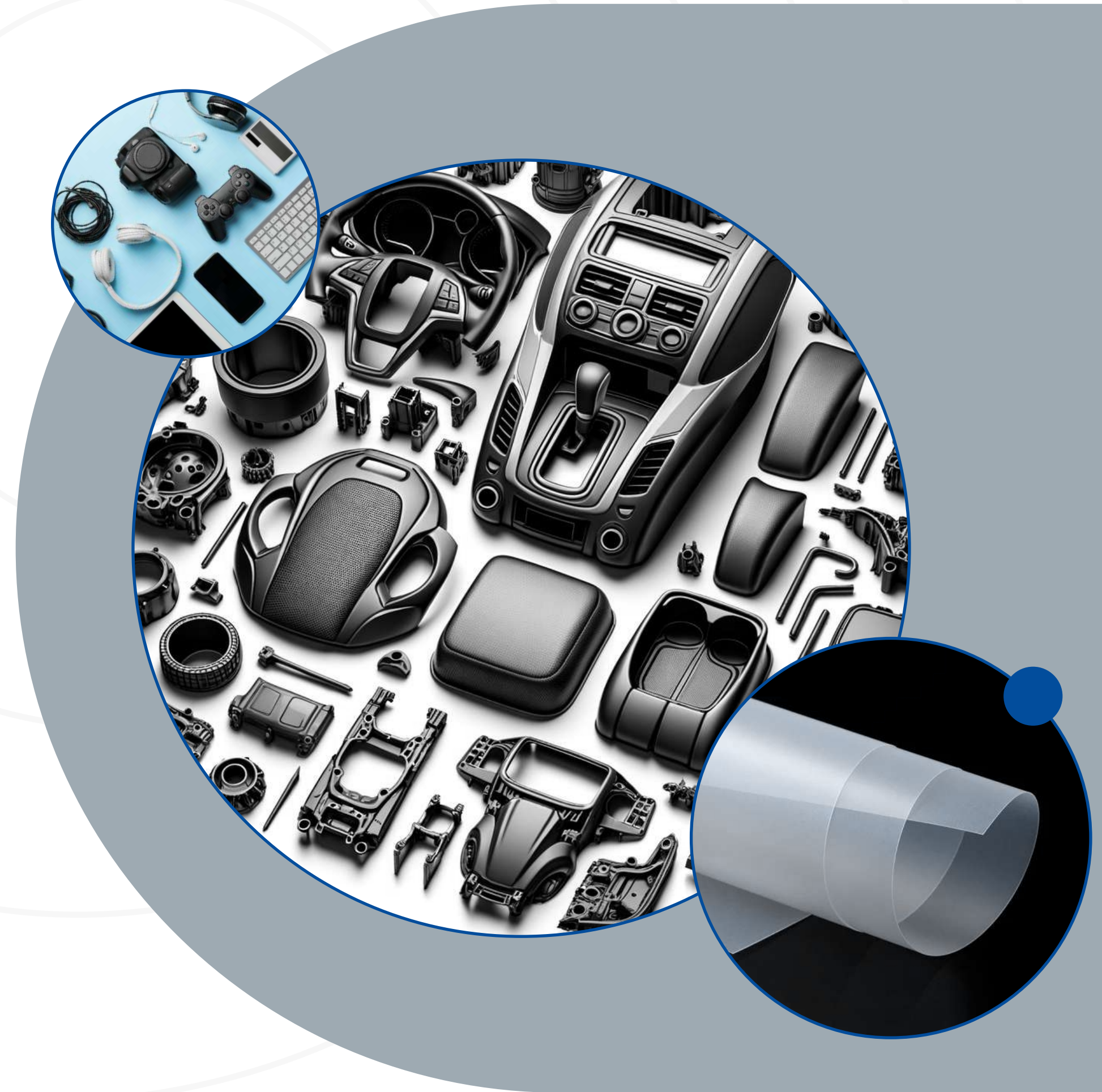
Styrenics

8. High Impact Polystyrene (HIPS)

Description: A blend of polystyrene and rubber, offering increased impact resistance and versatility.

Applications:

- Consumer electronics and automotive parts
- Prototyping and thermoformed sheets



Styrenics

9. Acrylonitrile Butadiene Styrene (ABS)

Description: A strong and impact-resistant polymer with a glossy finish, widely used in industrial and consumer applications.

Applications:

- Automotive components and appliance housings
- LEGO toys and protective casings



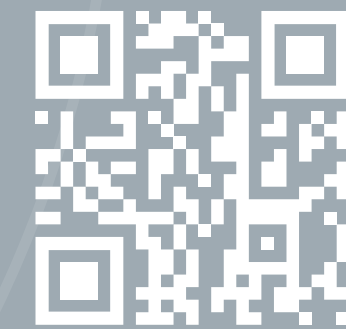


Contact us

Global Nexus FZE

Al Shmookh Business Center, One UAQ, UAQ
Free Trade Zone, Umm Al Quwain, U.A.E

Info@globalnexusco.com
www.globalnexusco.com



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ed and compiled in HEPTA STUDIO
er: MOHAMMAD FARAHANI

