



Lumex PLAST[®]
Built to last

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Lumex is considered one of the specialized and distinguished companies in the plastic materials sector.

- **Our Specialization:**

We excel in the production and trading of plastic granules (PVC and PP) with international specifications, in addition to manufacturing pipe systems (PPR and PVC) and fittings designed to operate under various pressures and environmental conditions.

- **Our Main Products:**

These include PVC and PPR pipes and their complete range of accessories, as well as PVC granules (rigid, flexible, and transparent) and polypropylene (PP) granules.

Our Vision

We strive to be a trusted partner in delivering advanced plastic solutions through continuous innovation, strict adherence to international standards, and providing products that are built to last.



Plastic Granules (PVC Granules)



Transparent PVC Granules

High purity with minimal additives



Designed for packaging containers and bottles.

Flexible PVC Granules

Treated with plasticizers



Used in cable insulation hoses, and medical products.

Rigid PVC Granules

Free from plasticizers



Ideal for window profiles plumbing pipes, and construction sheets.



Plastic Granules

Main Applications:

Construction: Pipes, window and door profiles, ceilings, and flooring.

Electrical: Cable and wire insulation.

Medical: Medical devices and tubing (due to biocompatibility).

Automotive: Dashboard components and seat covers.

Packaging: Plastic bottles and containers.



PVC Plastic Pipes (Polyvinyl Chloride)

They are plastic pipes widely used in various fields such as plumbing, irrigation and drainage systems, water distribution, and industrial applications, due to their lightweight nature, ease of installation, resistance to corrosion and rust, and high durability with a long service life. They are available in types such as uPVC, which is more rigid and suitable for pressure applications, while the plasticized type is more flexible and commonly used for drainage.



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Main Applications:

Homes and Buildings: Potable water supply networks, sewage systems, and waste drainage.

Agriculture: Irrigation systems and sprinkler water systems.

Industry: Transportation of chemicals and various industrial applications.



PVC Plastic Pipes (Polyvinyl Chloride)

PVC Pipe Fittings

They are the essential components for connecting and installing PVC piping systems. They include couplings, elbows, valves, caps, and adhesive or threaded fittings.

They are used in water supply, sewage, and electrical systems to provide durable plumbing and drainage solutions that are resistant to corrosion and rust. They are characterized by ease of installation, cost-effectiveness, and availability in various shapes to suit all requirements.

Main Applications:

Domestic Plumbing and Sanitation: For water transport and connecting drains and sinks.

Irrigation: In drip and sprinkler irrigation systems.

Electrical: For protecting wires and cables.

Ventilation: In air conditioning and HVAC systems.



PPR Pipes (Random Copolymer Polypropylene)

They are modern, durable plastic pipes primarily used in hot and cold water systems for buildings. They are characterized by high resistance to heat, pressure, corrosion, and chemicals, as well as being lightweight and easy to install. This makes them an excellent alternative to metal pipes, providing a reliable, long-lasting plumbing solution that is free from chemical reactions with water.



Main Applications of PPR Pipes

Water Supply: Distribution of hot and cold water in residential and commercial buildings, hospitals, schools, and shopping centers, thanks to their hygiene and corrosion resistance.

Heating and Cooling Systems: Ideal for central heating, underfloor heating, and air conditioning systems due to their ability to withstand high temperatures.

Agriculture: Used in agricultural irrigation systems for their durability and efficiency.

Industrial Applications: Transportation of chemicals, compressed air, and process fluids in factories and water treatment plants, due to their chemical resistance.

PPR Plastic Pipe Fittings

They are essential components for connecting and directing these pipes in hot and cold water and heating systems. They include various types of fittings (elbows, reducing elbows, tees, crosses, and connectors), valves, and installation tools such as welding machines, cutters, and clamps. They are hygienic, resistant to heat and corrosion, lightweight, and have a long service life, making them ideal for residential, commercial, and industrial buildings.





PPR Plastic Pipe Fittings

PPR pipes – PN 16 class

Size in inches (inch)	Outer diameter (mm)	Wall thickness (mm)	Approximate weight (kg/m)	Pipe length (meter)	Total pipe weight (kg)
"1/2	20 mm	2.8 mm	0.15	4	0.6
"3/4	25 mm	3.5 mm	0.2125	4	0.85
"1	32 mm	4.4 mm	0.35	4	1.4
"1 1/4	40 mm	5.5 mm	0.6	4	2.4
"1 1/2	50 mm	6.9 mm	0.9	4	3.6
"2	63 mm	8.6 mm	1.45	4	5.8

PPR pipes – PN 20 class

Size in inches (inch)	Outer diameter (mm)	Wall thickness (mm)	Approximate weight (kg/m)	Pipe length (meter)	Total pipe weight (kg)
"1/2	20 mm	3.4 mm	0.17	4	0.68
"3/4	25 mm	4.2 mm	0.25	4	1
"1	32 mm	5.4 mm	0.4	4	1.6
"1 1/4	40 mm	6.7 mm	0.65	4	2.6
"1 1/2	50 mm	8.3 mm	1.05	4	4.2
"2	63 mm	10.5 mm	1.65	4	6.6

Quality and Standards

Lumex is committed to implementing internationally recognized quality management systems, with our products manufactured in accordance with the following standards:

- **ISO:** To ensure process quality, consistent performance, and the highest levels of safety and efficiency.
- **GPM:** Reflecting our commitment to best manufacturing practices, precise control of raw materials, and ensuring consistency of specifications and final product quality.

All our products undergo rigorous testing to ensure:

1

Durability and long service life.

2

High resistance to corrosion and chemicals.

3

Reliable performance under various operating conditions.

4

Biocompatibility for medical and food applications.



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