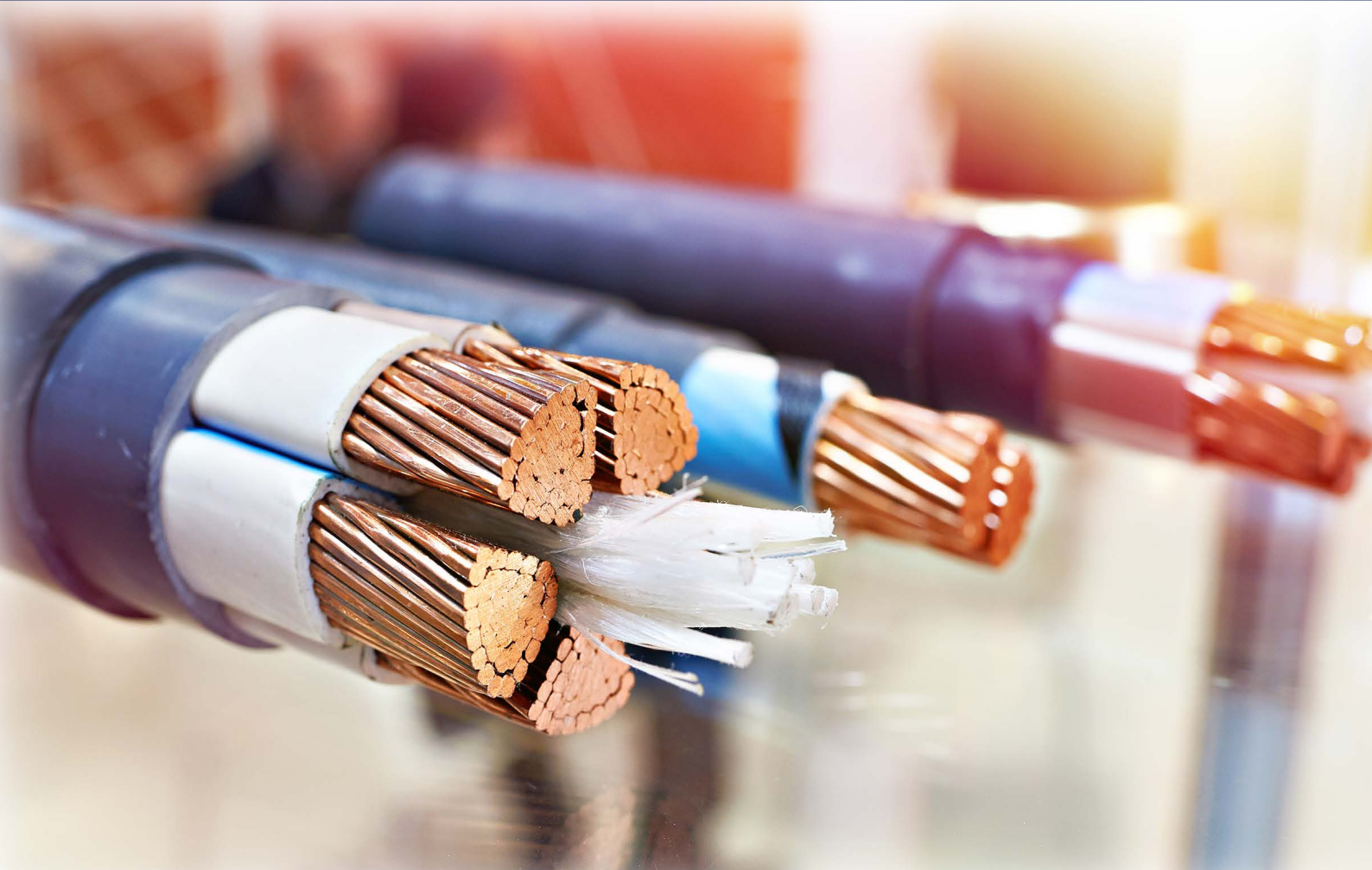




Let's Make the Future
SMARTER | SAFER | BRIGHTER

PREMIUM WIRE & CABLE COMPOUNDS

SUPERVIN® PVC COMPOUNDS | LSZH COMPOUNDS | FR/FRLS COMPOUNDS





ABOUT MATRIX

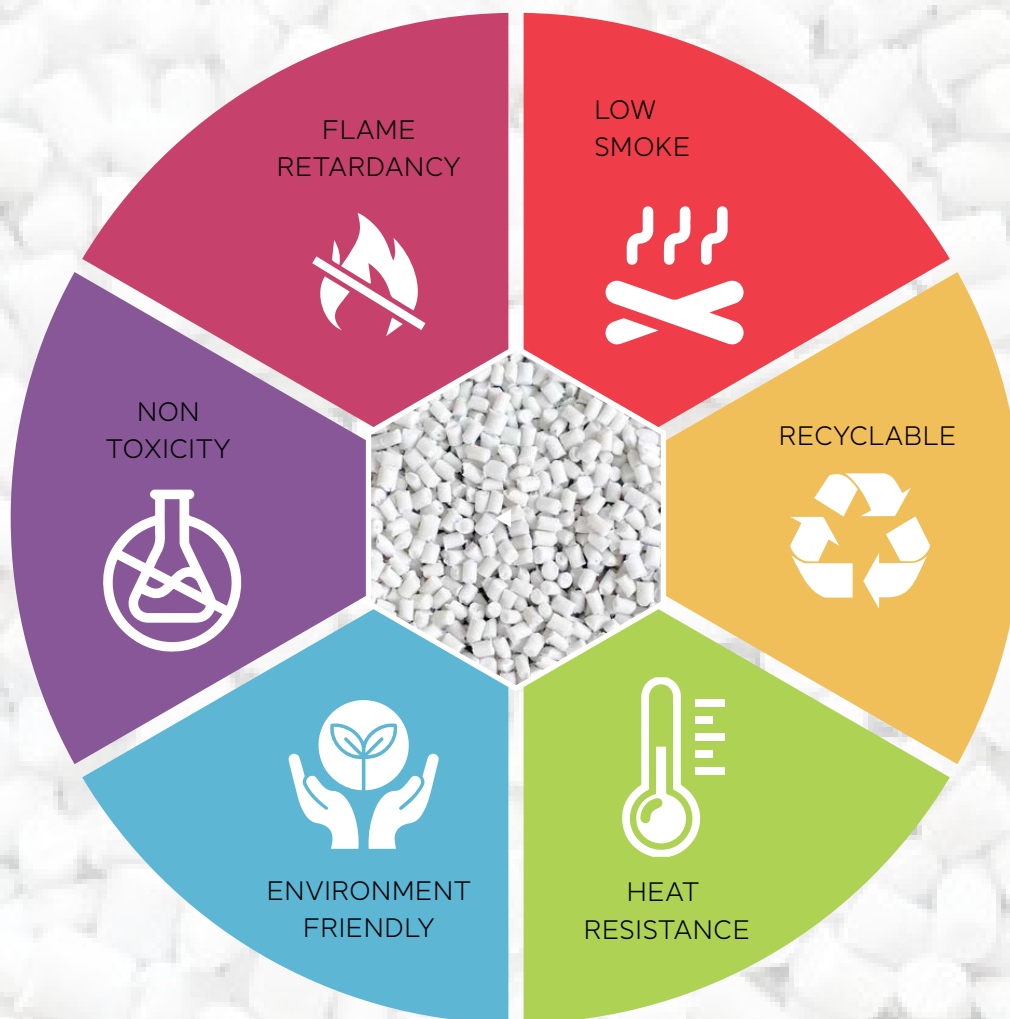
Matrix Polytech Pvt. Ltd. is a privately held company founded in 2007 and headquartered in New Delhi, India. Its production facility is located in Bhiwadi, a rapidly growing industrial town in the northeastern region of Rajasthan, part of the Alwar district. Despite being a relatively young company, Matrix Polytech has emerged as a leading market player, driven by continuous investments in research and the latest technologies. With strong, sustained growth, Matrix Polytech now aims to establish itself as a key supplier of PVC and LSZH compounds, serving a global clientele.

At Matrix Polytech, we leverage our core strengths in technology and experience to produce high-quality, cost-effective and high performance PVC and LSZH compounds.



LSZH COMPOUND FEATURES

Matrix LSZH compounds are widely used, especially for high-safety environments, contributing to safer, more sustainable electrical installations.



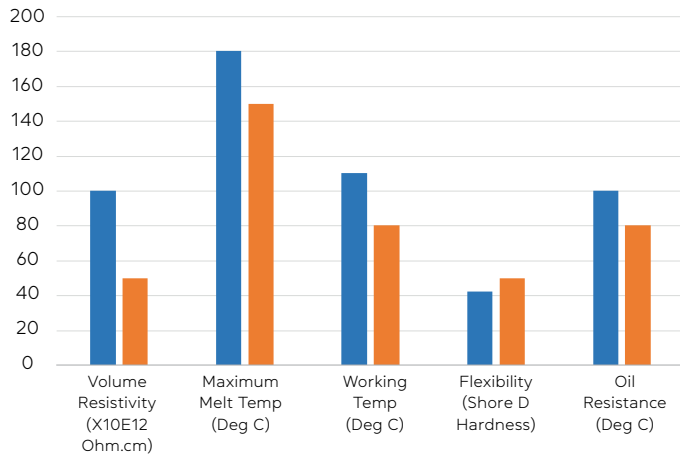
We at Matrix Polytech believe in solving complex problems to the best of our abilities. Thus, we combine our industry expertise, deep technical knowledge, intensive research and development with our passion to achieve the highest performance with our products and push the boundaries of what's possible

Matrix Polytech specializes in manufacturing thermoplastic compounds for a variety of industries, including wire & cable, automotive, pipes, and many more. Our state-of-the-art compounding machinery guarantees optimal dispersion and superior physical properties.

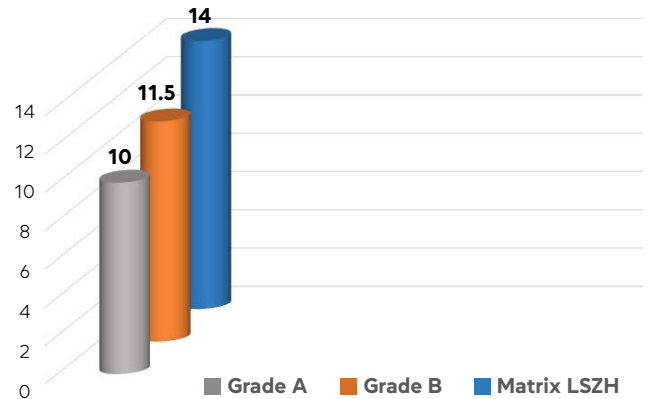
What sets us apart is our fully equipped in-house testing laboratory, which not only ensures top-quality products but also enables the rapid development of custom compounds tailored to customer specifications.

Led by a team of polymer experts with extensive experience in polymer compounding, Matrix Polytech is committed to delivering innovative, high-performance solutions.

Matrix LSZH Compound at Various Parameters



Matrix LSZH Compound Vs Standard LSZH Compound (Tensile Strength N/Sq mm)



Why LSZH?

Our commitment to providing safe environment solutions for wires and cables led us to produce Low Smoke Zero Halogen (LSZH) Compound. LSZH compounds are specialist materials engineered to improve the fire resistance of diverse items without using halogen components such as chlorine or bromine. Conventional halogenated flame retardants inhibit flames but produce considerable environmental and health hazards due to the emission of poisonous and corrosive gases during burning. Conversely, LSZH compounds address these issues, providing a safer and more sustainable alternative for fire protection.

Advantage LSZH

■ Environmental Safety

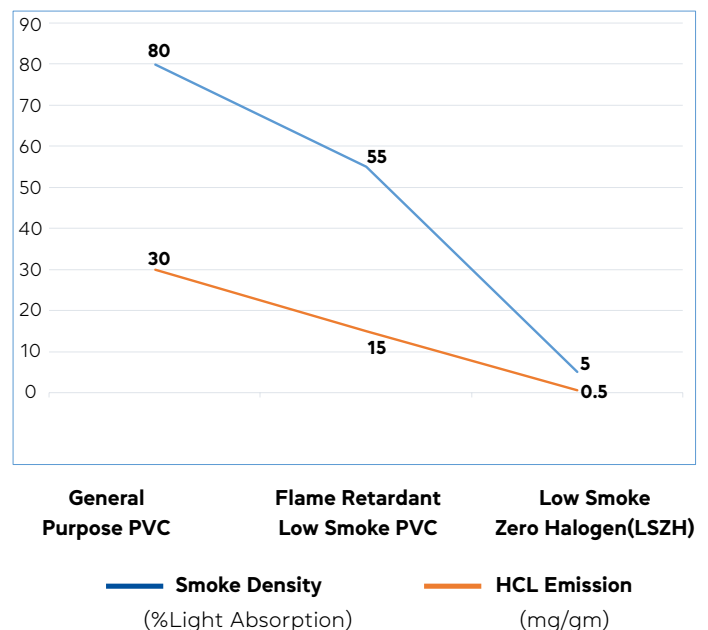
LSZH compounds do not generate toxic dioxins or furans upon combustion, hence mitigating environmental pollution and health risks.

■ Reduced Toxicity

The lack of halogens results in these compounds producing less hazardous smoke during a fire, improving safety for individuals and emergency personnel.

■ Regulatory Compliance

Numerous industries are adopting more stringent fire safety and environmental standards, rendering LSZH compounds a compliant option for manufacturers.



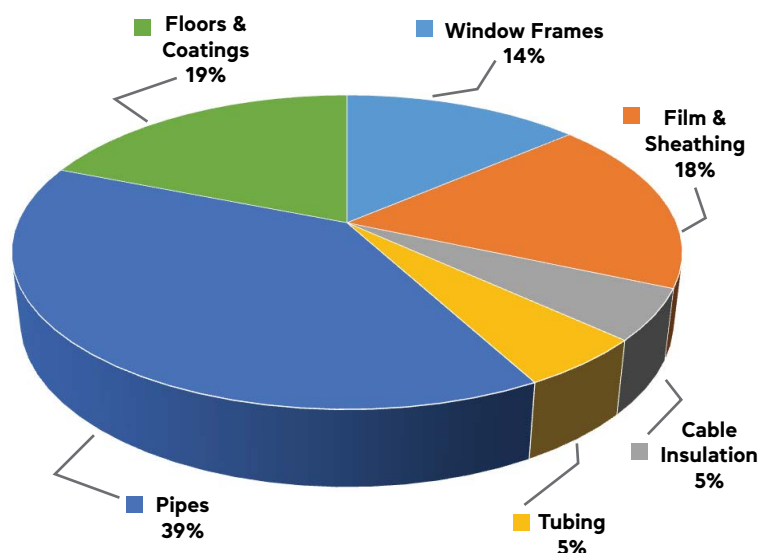
Supervin® PVC Compounds

PVC (PolyVinyl Chloride), a durable and versatile thermoplastic polymer, is widely used in wire and cable industries after being formulated as PVC compound.

PVC is known for its excellent properties, durability, flexibility, and cost-effectiveness. PVC possesses the distinctive capability to conform to various end-use applications through the compounding of plasticizers, fillers, flame retardants, and other additives. The properties such as mechanical, electrical, and fire resistance can further be enhanced via effective blending and compounding.

Our Product Range

- FR & FRLS compounds
- Heat, Oil, and weather-resistant compounds
- Elastomer blended TPR compounds for special applications
- Low-temperature resistant compounds up To -50 °C
- RoHS & REACH compliant compounds



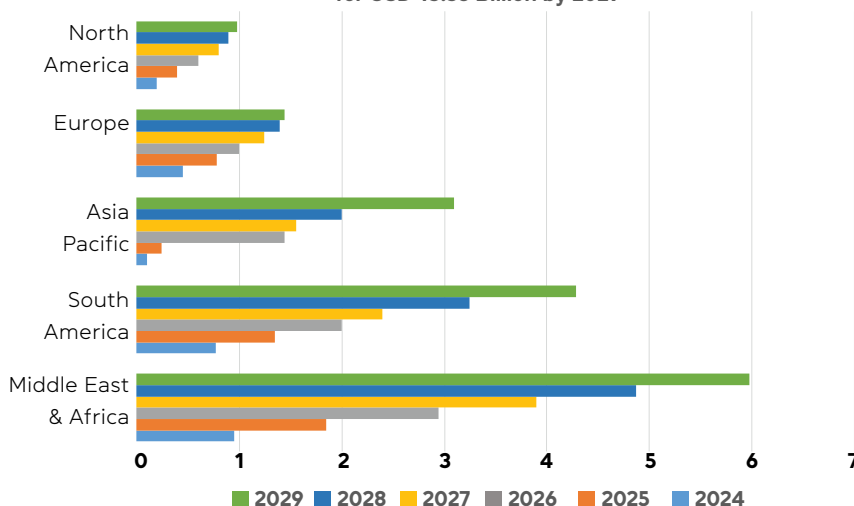
Supervin® PVC Compound Applications

Our extensive expertise in vinyl compounds allows us to produce a wide array of PVC compounds that comply with many Indian and International Standards, making them the preferred selection for numerous major institutional purchasers. Numerous grades have been formulated that offer superior electrical qualities, resistance to flames and oils, and greater flexibility at low temperatures. Additionally, tailored formulas can be created and adjusted to meet specific requirements.

Currently, the demand for low-smoke and flame-retardant cables has significantly escalated for applications in buildings, automotive sectors, and power grids. Our FRLS compounds generate minimal smoke and harmful gas emissions while preserving elevated temperature resistance and high oxygen index values.

- House Wiring
- Automotive
- Optical Wires
- Data Cables
- Welding
- Power
- Control & Instrumentation

Global PVC Compound Market is Expected to Account for USD 13.35 Billion by 2029





LET'S PUSH THE BOUNDARIES OF **INNOVATION** TOGETHER



Built on a foundation of collaboration and respect, we are guided by integrity and a forward-thinking vision, dedicated to pushing the boundaries of possibility and fueling the limitless potential of creativity.

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