

Junction Box Rubber Strip Formula and Price



AI Overview

Junction box rubber strips are typically made from vulcanized butyl rubber or silicone rubber, offering insulation, corrosion resistance, and mechanical protection, with prices varying by size, type, and customization.

Material Composition

- Vulcanized Butyl Rubber:** Commonly used in solid rubber junction boxes, this material provides excellent sealing, flexibility, and resistance to weathering and chemicals. It is suitable for industrial and municipal applications.
- Silicone Rubber:** Used in busbar and high-voltage junction boxes, silicone rubber offers high thermal stability, electrical insulation, anti-corrosion properties, and resistance to UV and radiation. It is often crosslinked for enhanced durability and can be customized in color, thickness, and shape.
- Polyolefin-Based Rubber:** Some specialized junction boxes use radiation-crosslinked polyolefin materials for insulation and mechanical protection, particularly in high-voltage applications.

Applications

Rubber strips in junction boxes serve multiple purposes:

- Electrical insulation to prevent short circuits and electric shock
- Mechanical protection of conductors and busbars
- Anti-corrosion and anti-rust protection for solder joints
- Maintaining phase spacing and structural integrity in high-voltage equipment

Pricing Considerations

- Customization:** Prices vary depending on the size, thickness, type of rubber, and additional features such as color, engraving, or integrated mounting parts.
- Volume:** Bulk orders typically reduce per-unit cost.
- Supplier:** Prices differ between manufacturers and distributors; companies like GIFAS Electric and Ruisen offer custom-made solutions, which may affect cost.
- Market Range:** While exact prices are not publicly listed, small standard rubber strips for junction boxes may range from a few dollars per piece, whereas high-voltage silicone busbar boxes can cost significantly more depending on specifications.
- Purchasing O...**

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Junction Box Sizing Calculator

Understanding the Junction Box Sizing Calculator Formula with Examples Here we explain the Junction Box Sizing Calculator formula with specific examples. If the value of one input

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Solid rubber junction boxes

Solid rubber junction boxes are a simple and clean solution for industry and for municipal and public areas. Our junction boxes (made from vulcanized butyl rubber) are produced by our own

Contact Us

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