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Plastruct 90843

Plastruct MRT-60 Triangular Rod Instruction Manual

Model: 90843 | Brand: Plastruct

INTRODUCTION

The Plastruct MRT-60 Triangular Rod is a precision-extruded plastic building supply designed for various model construction applications. This manual provides essential information regarding its features, typical uses, and specifications to assist users in integrating it effectively into their projects.

PRODUCT OVERVIEW AND FEATURES

The MRT-60 Triangular Rod is a versatile component for detailed model building. Key features include:

- **Material:** Precision extruded in white styrene plastic, ensuring consistent quality and ease of use.
- **Versatility:** Ideal for all facets of model building, including architectural models, dioramas, and custom fabrications.
- **Structural Use:** Commonly used for bracing, strapping, and simulating steel or wood structural members due to its inherent strength and triangular profile.
- **Quantity:** Each package contains 10 individual rods.

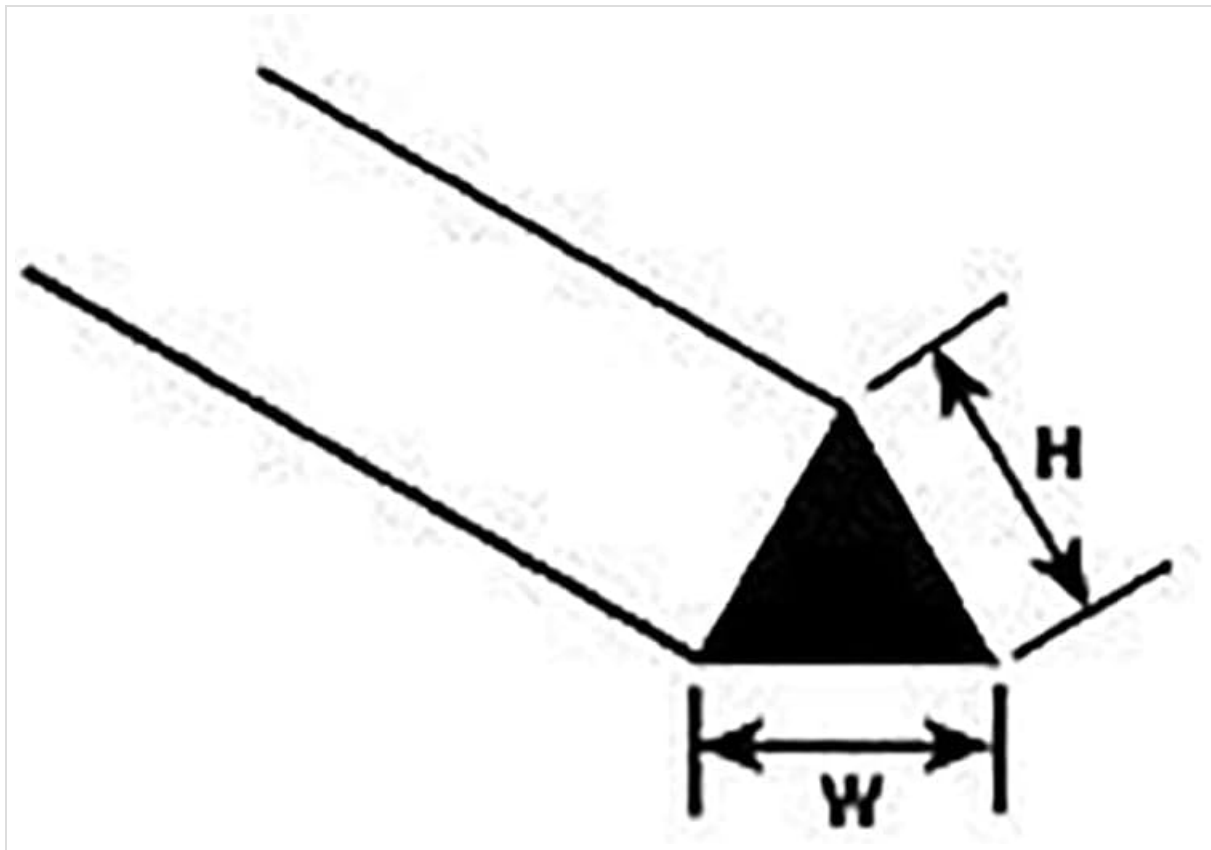


Figure 1: Illustration of the triangular cross-section of the Plastruct rod, indicating its width (W) and height (H) dimensions. This shape is beneficial for structural integrity and aesthetic detail in models.

SETUP AND USAGE

The Plastruct Triangular Rods are designed for straightforward integration into your modeling projects. Follow these general guidelines:

1. **Cutting:** The styrene plastic can be easily cut to desired lengths using a hobby knife, razor saw, or specialized plastic cutters. Ensure clean, precise cuts for optimal fit.
2. **Adhesion:** Use plastic cement (solvent-based adhesive) specifically designed for styrene plastic to bond the rods to other plastic components. For bonding to dissimilar materials, consider appropriate multi-purpose adhesives.
3. **Shaping:** While primarily rigid, the rods can be gently heated and bent for custom shapes, though care should be taken to avoid melting or deforming the material excessively.
4. **Finishing:** The white styrene can be painted with most model paints. Ensure the surface is clean and dry before painting for best adhesion.

MAINTENANCE

Plastruct rods require minimal maintenance. To ensure longevity and usability:

- **Cleaning:** If necessary, gently wipe the rods with a soft, dry cloth to remove dust or debris. Avoid harsh chemicals that may damage the plastic.
- **Storage:** Store rods flat or in their original packaging in a cool, dry place away from direct sunlight or extreme temperatures to prevent warping or degradation.

TROUBLESHOOTING

As a passive building material, the Plastruct Triangular Rod typically does not require troubleshooting. However, if issues

arise during use, consider the following:

- **Adhesion Issues:** Ensure surfaces are clean and free of dust or oils. Verify that the correct type of plastic cement or adhesive is being used for styrene. Allow adequate curing time.
- **Warping:** This can occur if rods are stored improperly (e.g., in direct sunlight, under heavy objects, or in high heat). Store flat and in a temperature-controlled environment.
- **Breakage:** While durable, excessive force or improper cutting techniques can cause breakage. Use sharp tools and apply even pressure when cutting.

SPECIFICATIONS

Attribute	Detail
Brand	Plastruct
Model Number	90843
Part Number	PLS90843
Material	Styrene Plastic
Color	White
Product Dimensions	10.4 x 0.5 x 0.06 inches
Quantity per Package	10 rods
Size	Medium

WARRANTY AND SUPPORT

Specific warranty information for this product is not provided. For product support, inquiries, or further assistance, please contact Plastruct directly through their official website or authorized distributors. Always refer to the manufacturer's guidelines for the most accurate and up-to-date information.

