



HDPE Road Barriers (16Kg)

PRODUCT TECHNICAL DATA SHEET
Rev. OP/20/004

General Information:

The HDPE Road Safety Barrier is a high-quality traffic management solution designed for durability and ease of use. Manufactured using a blow moulding process, this barrier is made from virgin High-Density Polyethylene (HDPE), ensuring superior strength and longevity. The use of virgin HDPE guarantees consistent material properties, providing excellent impact resistance and UV stability. Our homogeneous color process ensures that the barriers maintain a consistent appearance, making them ideal for a variety of applications including road construction, pedestrian safety, and event management.

Oman Polycon operates by internal procedures, conforming to the EN ISO 9001:2015 norm.

Features:

- **Durable and Lightweight:** Easy to handle and transport due to the HDPE material.
- **High Impact Resistance:** Designed to absorb impact and minimize damage.
- **UV Stabilized:** Resistant to degradation from UV exposure, ensuring long-term performance.
- **Chemical Resistance:** Suitable for various environments and resistant to many chemicals.
- **Easy Installation:** Lightweight and easy to install, requiring minimal tools and effort

Applications:

- **Road Safety:** Ideal for traffic management, road construction, and maintenance.
- **Pedestrian Safety:** Used in pedestrian zones to guide and protect pedestrians.
- **Event Management:** Suitable for crowd control at events, concerts, and public gatherings.
- **Construction Sites:** Effective for creating barriers and demarcating construction zones.



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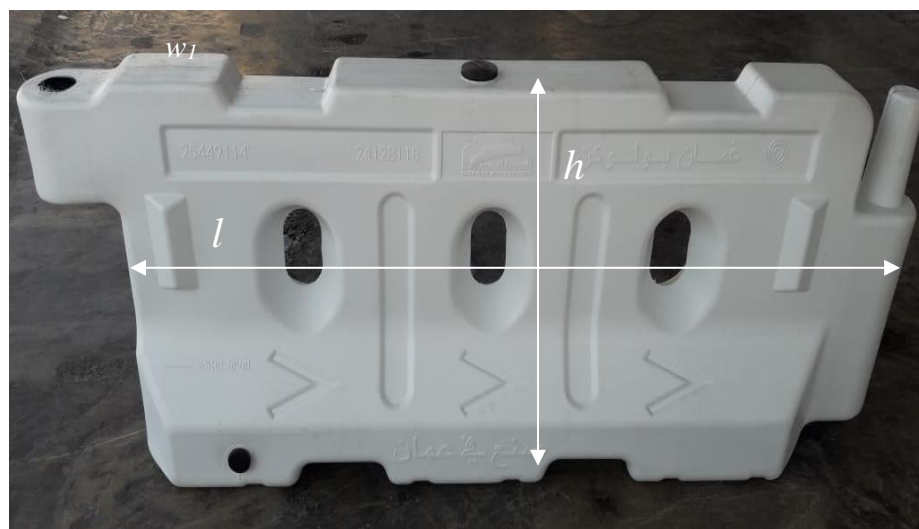


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Product Details/GA:



| Nos. | Particulars | Design Requirements | Actual Size |
|------|---------------------------|---------------------|---------------------------|
| 1 | Height (h, mm) | 815 | 815 |
| 2 | Empty Weight (Kg) | 16 | 16 |
| 3 | Length (l, mm) | 2180 | 2180 |
| 4 | Width upper side (w1, mm) | 180 | 180 |
| 5 | Width lower side (w2, mm) | 400 | 400 |
| 6 | Perpendicularity | Variation < 1° | Perpendicular to the base |
| 7 | Color Variation | Homogeneous | Variation not found |

Physical and Mechanical Properties

Density 0.941 - 0.965 g/cm³

Tensile Strength: > 20 MPa

Impact Resistance: High

UV Resistance: Yes (with UV stabilizers)

Temperature Range: -40°C to +80°C

Chemical Resistance: Excellent resistance to most chemicals

Available Colors: Red & White

Note: Internal quality control tests for air leakage, impact, drop, and crash testing have all passed successfully.



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Warranty Terms:

Oman Polycon LLC guarantees that its products are manufactured to meet the specified requirements and standards outlined in our official publications.

Storage and Handling:

Avoid contact with sharp objects or abrasive materials that may cause damage to road barriers.

During transportation and installation, care should be taken to prevent any impact or mishandling that could affect the product integrity.

Conclusion:

At Oman Polycon LLC, we are committed to delivering high-quality HDPE products that meet your specific requirements. For further information or to discuss your project needs, please contact our sales team.

