



## HDPE Water Tank Vertical 3 Layer White/Army 100 USG

PRODUCT TECHNICAL DATASHEET  
Rev. OP/20/002

### General Information

#### Product Description:

These specifications define the minimum requisites adopted by Oman Polycon LLC in the design, manufacturing, inspection, checking, testing and preparation for shipping of Tanks in High Density Polyethylene (HDPE) Vertical Water Tank.

We supply HDPE Tanks designed as per the local regulatory requirements. Our water tanks are easy to carry. Especially since we are very careful with each type of tank that we are using throughout the process. It is manufactured with fine raw material substances, made from high-quality UV-stabilized virgin polyethylene material, and a carefully engineered design that ensures complete watertightness. This prevents any leakage of stored liquids into the surrounding soil, protecting the environment and maintaining the integrity of the stored substances.

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



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## Product Features:

|                                  |                                                              |
|----------------------------------|--------------------------------------------------------------|
| <b>Product Name:</b>             | High-Density Polyethylene (HDPE) Vertical Water Tank 100 USG |
| <b>Carrier Resin:</b>            | WRAS Approved Raw Material-HDPE                              |
| <b>Application:</b>              | Storage of portable water                                    |
| <b>Capacity:</b>                 | 100 USG                                                      |
| <b>Size:</b>                     | Ø 880 mm, Height- 830 mm                                     |
| <b>Product Compliance:</b>       | GSO 1831-2007                                                |
| <b>Gross Weight:</b>             | 14 Kg                                                        |
| <b>Foundation Type Required:</b> | Firm flat and horizontal surface                             |
| <b>Tank Fittings:</b>            | Compliance with BS6920                                       |
| <b>Design:</b>                   | GSO 1831-2007                                                |
| <b>Construction Details:</b>     | 3 Layers                                                     |
| <b>Color:</b>                    | White and Army                                               |

## Technical Data:

|                           |                      |
|---------------------------|----------------------|
| <b>Tensile Strength:</b>  | 23 N/mm <sup>2</sup> |
| <b>Tensile Modulus:</b>   | 63 N/mm <sup>2</sup> |
| <b>Stress at Yield:</b>   | 21 N/mm <sup>2</sup> |
| <b>Flexural Strength:</b> | 42 N/mm <sup>2</sup> |
| <b>Impact Resistance:</b> | IK10                 |
| <b>Heat fastness:</b>     | Max upto 300°C       |
| <b>Moisture Content:</b>  | <0.14 %              |

## Warranty Terms:

Oman Polycon LLC provides a consistent assurance that all of its products are meticulously crafted to comply with the precise requirements and rigorous standards detailed in our official publications. Our commitment to quality ensures that every item meets or exceeds industry benchmarks, reflecting our dedication to excellence in manufacturing and customer satisfaction.

