A POLYCON FOR EVERY HOME, ROAD & WEATHER CONDITION
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Introduction

Polycon Gulf Ltd is part of Al Nasser Industrial Enterprises LLC, a prominent Industrial Group with manufacturing activities spanning diverse verticals like Steel, Polymers, Fabrication and Industrial intermediates.

Polycon Gulf sets the standard for roto-molding with an innovative range of products and services such as Water Storage Tanks, Road Barriers, Portable Restrooms, Spill Containment Pallets, Dual-face Pallets, Illuminated Planters and Polymer Lining on interior surface of carbon steel pipes and tanks.

Polycon products are manufactured using medium-density polyethylene – an environmentally compatible hydrocarbon. Polyethylene is a high grade thermoplastic that has exceptional resistance to both physical and chemical attack.
Polycon products are designed using the latest and finite analytical methods, allowing for suitable changes to be made to the thickness and variation of the products so that stresses and deflections can be minimized. This makes them resistant to heavy hydrostatic loads with a built-in factor of safety, thereby ensuring many years of services.

At Polycon Gulf Ltd, products of the highest grade are produced. Strict quality control that meets the requirements of ISO 9001:2015 is practiced at each stage of the manufacturing process.
Quality Certificates
Letters of Appreciation

EFECO LLC takes this opportunity to acknowledge and issue this letter of appreciation to MJ’s Polycon Gulf Limited for their valued cooperation and professional quality service for the manufacture, supply and delivery of Polyethylene Plastic Water Tanks to our project “Construction of 500 Houses at Oud Al Mutemar”.

We would like to thank the people of Polycon Gulf Ltd., for their support and cooperation. We look forward to continued cooperation with Polycon Gulf Ltd. and wish all the success and prosperity.

Regards,
For EFECO LLC.

Ibra Al Mohammadi
Sr. Project Manager

Reference No: FLU549/086/10-18
Date: October 13, 2018

EFECO LLC takes this opportunity to acknowledge and issue this letter of appreciation to MJ’s Polycon Gulf Limited for their valued cooperation and professional quality service for the manufacture, supply and delivery of water tanks to our project “MBED: Construction of 548 villas at Fujairah”.

We would like to thank the people of MJ’s Polycon Gulf Limited for their support and cooperation. We look forward to continued cooperation with MJ’s Polycon Gulf Limited and wish all the success and prosperity.

Regards,
For EFECO LLC.

Hadi O. Mezied
MEP Project Manager

Reference #: FLU549/086/10-19
Date: 20th October 2018
Product Test Certificates
Polycon Water Tanks are molded from UV stabilized and FDA approved food grade polyethylene material which guards against bacteria, fungus and algae. The Tanks are approved by UAE Municipalities and have high environmental stress resistance, can withstand high-pressure impacts and poor temperature conditions while protecting the water from ultra-violet radiations, rust and leakage.
POLYCON

Water Tanks

- **Clean and hygienic** – Specially designed with a smooth inner layer that resists growth of algae and bacteria.
- **Leak-proof** – The one-piece, molded body has no joints and is absolutely maintenance free.
- **Rust-proof** – Polyethylene granules used in the construction of the tanks ensure the tank is strong, durable and corrosion resistant.
- **Lightweight and easy to install** – Designed for easy handling, mobility and installation.
- **Secure** – A special, threaded cover ensures that the tank and its contents cannot be tampered with.
- **Strong and stress-resistant** – Special membrane ribs that counter ‘hoop stress’ helps to reinforce the tanks.
- **Vertical and horizontal models** – to suit space/design specifications.
- **Suitable for overhead and underground applications** – Adaptable to a variety of applications; in households, water supply schemes, agricultural farms, chemical plants, defence, hospitals, offices, schools and colleges.

50-10000 USG.

35-3000 USG.

400-1000 USG.

1000 USG.
# FACTS OF POLYCON

## Water Tanks

### Comparison Chart

<table>
<thead>
<tr>
<th>ITEM</th>
<th>POLYCON</th>
<th>CONCRETE</th>
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### PHYSICAL PROPERTIES

- **Melt index**: 5.0 g/10 min
- **Vicat softening**: 115.0° Celsius
- **Density**: 0.935 g/cubic cms
- **Bulk density**: 0.420 g/cubic cms
- **Tensile strength at yield**: 2600.00 Psi
- **Tensile elongation yield at break**: 700.00%
- **Flexural strength**: 2800.00 Psi
- **Flexural modulus**: 105000 Psi
- **Environmental stress-crack resistance**: F 50-300 Hr
- **Toxicity**: Free from Toxic
- **Water absorption**: 0.20%

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![3 Layer Standard](image1)

![4 Layer Insulated](image2)
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<tr>
<th>CODE NO</th>
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<th>CODE NO</th>
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<th>DIA (mm)</th>
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Tolerance: ±3% of the nominal dimensions as given in the table. Conversion: 1USG = 3.785 Litre, 1IMP = 4.560 Litre
All above shapes & sizes of tanks are available in **THREE LAYER STANDARD** as well as **FOUR LAYER INSULATED TYPE**.
All above tanks are available in US Gallons.
### Dimension & Range

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Tolerance: ±3% of the nominal dimensions as given in the table. Conversion: 1 USG = 3.785 Litre, 1 IMP = 4.560 Litre

All above shapes & sizes of tanks are available in THREE LAYER STANDARD as well as FOUR LAYER INSULATED TYPE. All above tanks are available in US Gallons.
The new generation polyethylene water storage tanks from Polycon have a unique, 4-layer insulation. Insulated Models are available from 400 to 1,000 US Gallons capacity.

<table>
<thead>
<tr>
<th>CODE NO</th>
<th>US GALLON</th>
<th>IMP GALLON</th>
<th>LITRE</th>
<th>LENGTH (mm)</th>
<th>DIA (mm)</th>
<th>HEIGHT (mm)</th>
<th>MANHOLE SIZE (mm)</th>
<th>AVERAGE THICKNESS (mm)</th>
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Tolerance: ±3% of the nominal dimensions as given in the table. Conversion: 1 USG = 3.785 Litre, 1 IMP = 4.560 Litre
All above tanks are available in US Gallons.
Connection/Interconnection
of POLYCON Water Tanks

For Vertical & Horizontal tanks

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<td>6</td>
<td>Pump</td>
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Procedure:
1. You will receive the Polycon water tank with loose PP fittings and holes drilled as per your requirements.
2. Place the tank on a smooth, properly leveled platform.
3. First remove the chuck nut and one rubber washer from fitting, apply the thread sealant, Teflon tape on threaded parts and insert the fitting into the hole by turning it clockwise. After inserting it properly, fix removed one rubber gasket from inside the tank and tighten chuck nut.
4. Hold the fittings with pipe wrench or suitable spanner and fix a ball valve, flexible pipe and connect to the pipeline.
5. Provide properly leveled support under outlet pipe or manifold pipe and fix the clamp on it to avoid stress on the tank.
6. Fix the Air vent on top of the tank especially of bigger sizes, to release the pressure from tank.

Flexible pipe connection allows for tank expansion/contraction and reduces pump/piping vibration stress on the tank thereby increasing the life of tank. Flexible pipe connections are a must for tanks bigger than 1,250 USG in Horizontal Tanks or 2,000 USG in Vertical Tanks to preserve warranty.

Note: Polycon will not be responsible for any damage/breakage to the tank due to improper connection of fittings or wrong interconnection of the tank.
**POLYCON**

**Underground water storage tank**

The Best Underground Water Storage

**Unique Features**
- Rotationally molded from FDA approved UV Stabilized Polyethylene
- Polycon underground storage tanks or Septic tanks are designed to withstand earth pressures that would normally crack traditional tanks.
- Deeply formed corrugation and longitudinal ribs lend extra strength and stability
- This tank does not rust, rot or corrode even without protective coating
- Seamless, one piece construction
- Large 18” entry/view port with a man-way riser and a threaded cover are included
- Light weight and compact, No heavy lifting equipment is required for installation
- Polycon underground tanks are manufactured as single-piece. If simple installation guidelines are followed and tanks are inspected, you can expect long, trouble-free service

### Dimension & Range

<table>
<thead>
<tr>
<th>CODE NO</th>
<th>CAPACITY (USG)</th>
<th>LITRE</th>
<th>LENGTH (mm)</th>
<th>OUTER DIA (mm)</th>
<th>HEIGHT UP TO NECK (mm)</th>
<th>MANHOLE SIZE (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGUG 100</td>
<td>1000</td>
<td>3785</td>
<td>2850</td>
<td>1550</td>
<td>2110</td>
<td>475</td>
</tr>
</tbody>
</table>

Tolerance: ±3% of the nominal dimensions as given in the table. Conversion: 1 USG = 3.785 Litre
POLYON

Road Barriers

Polycon’s new range of road barriers are strong, sturdy and flexible, ideal for today’s roads

✦ Made from high density UV-Stabilized polyethylene material
✦ Safe and low impact in case of accidents, protecting vehicle and passengers
✦ Light weight
✦ Can be handled without a crane, results in saving of loading/unloading cost
✦ Control the weight by filling water or sand
✦ Available in various colours
✦ Maintenance free

Dimension & Range

<table>
<thead>
<tr>
<th>CODE</th>
<th>LENGTH (mm)</th>
<th>BOTTOM WIDTH (mm)</th>
<th>TOP WIDTH (mm)</th>
<th>HEIGHT (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGRB80 - BM</td>
<td>2180</td>
<td>400</td>
<td>180</td>
<td>800</td>
</tr>
<tr>
<td>PGRB80 - P</td>
<td>2150</td>
<td>400</td>
<td>180</td>
<td>800</td>
</tr>
<tr>
<td>PGRB100 - P</td>
<td>1000</td>
<td>400</td>
<td>170</td>
<td>1000</td>
</tr>
</tbody>
</table>

Tolerance: ±3% of the nominal dimensions as given in the table
Available colours:  

POLYON
**Good looking and versatile:** Our unique track barrier system is better looking than the wooden fencing alternatives, and provides a safe, professional barrier.

**Safe, durable and cost effective:** Our track barrier system remains interlocked without any gaps, protrusions or obstacles, providing a solid all in one track wall for maximum safety.

**Features and Benefits**

- Designed for enhanced security and safety of drivers, spectators and staff
- Quick and easy positioning system
- Linked system make moving the track course layout quick and easy compared to other systems
- Manufactured from UV Stabilized virgin medium density polyethylene
- Excellent impact strength
- Heavy duty design and material thickness
- Affordable professional locking system
- The barriers are designed to allow 30° movement
- Barriers make a fantastic medium for advertising to generate extra revenue
- Can be produced in any colour (subject to quantity)
- In-house facility to develop customized sizes

**Track Barrier Applications**

- Indoor and Outdoor Tracks
- Race Circuits
- Go-Kart
- Quad bikes racing, Speedways, Rallying, Motor Cross

<table>
<thead>
<tr>
<th>CODE NO</th>
<th>LENGTH (mm)</th>
<th>WIDTH (mm)</th>
<th>HEIGHT (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TB 1000</td>
<td>1000</td>
<td>400</td>
<td>600</td>
</tr>
</tbody>
</table>

Tolerance: ±3% of the nominal dimensions as given in the table
Polycon’s wide range of polyethylene car sheds are ideal for the harsh weather in the Gulf Region. These state-of-the-art sheds are absolutely maintenance-free and depending on your choice of design, you can choose white or any other colour.

✦ Made from high quality UV Stabilized polyethylene material that withstands extreme heat.
✦ Light-weight, easy to install
✦ Smooth internal and external finishing prevents deposition of dust
✦ Easily Washable
✦ Any design possible
✦ Available in white or any colour of your choice
✦ Maintenance-free

### Car Shed

<table>
<thead>
<tr>
<th>CODE NO.</th>
<th>LENGTH (mm)</th>
<th>WIDTH (mm)</th>
<th>USAGE HEIGHT AT CENTRE (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS IS</td>
<td>6000</td>
<td>3000</td>
<td>2700</td>
</tr>
<tr>
<td>CS STD</td>
<td>6000</td>
<td>2800</td>
<td>2700</td>
</tr>
<tr>
<td>CS CAN</td>
<td>5600</td>
<td>2800</td>
<td>2700</td>
</tr>
</tbody>
</table>

### Tank Shed

<table>
<thead>
<tr>
<th>CODE NO.</th>
<th>LENGTH (mm)</th>
<th>WIDTH (mm)</th>
<th>USAGE HEIGHT AT CENTRE (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TS 3X3</td>
<td>3000</td>
<td>3000</td>
<td>400</td>
</tr>
<tr>
<td>TS 3X2</td>
<td>3000</td>
<td>2000</td>
<td>400</td>
</tr>
<tr>
<td>TS 2X2</td>
<td>2000</td>
<td>2000</td>
<td>400</td>
</tr>
</tbody>
</table>
Unique Features
✦ Made from FDA approved UV Stabilized Polyethylene material
✦ Smooth exterior, easy to clean and wash
✦ Excellent resistance to water and chemicals
✦ 100% rot-free, no dents, maintenance-free
✦ 100% hygienic, safe and sterilisable
✦ Stackable design with 4-way entry
✦ Compatible with all existing lifting system
✦ Easy to repair
✦ Light weight and easy to carry

Model Dual-face Type
Design One piece molded with excellent rib design for High Impact Resistance
Uniform load capacity Static - 1,500 kgs, Dynamic - 750 Kgs
Material FDA approved polyethylene - 100% Recyclable
Application Food & Beverage Industry. Pharmaceutical Industry where clean room applications are important
Colour Available in a range of colours

Advantages over Wooden Pallets

<table>
<thead>
<tr>
<th>Plastic Pallets</th>
<th>Wooden Pallets</th>
</tr>
</thead>
<tbody>
<tr>
<td>FDA approved material, guaranteed to last a long time</td>
<td>Low in initial costs only. When they break down, can cause injury</td>
</tr>
<tr>
<td>Plastic as a material is very light and easy to handle - no absorption or change in weight</td>
<td>Heavy and awkward to handle, can absorb up to 100% of original weight</td>
</tr>
<tr>
<td>Molded one-piece construction and smooth exterior easy to clean and can be completely sanitized</td>
<td>Wood pieces and nails used for construction are unsanitary for food industries</td>
</tr>
<tr>
<td>Appropriate for the Food, Pharmaceutical Industries and other sensitive goods</td>
<td>Unsanitary - FDA has proven wood to be vulnerable to germs</td>
</tr>
<tr>
<td>Stackable design with 4-way entry saves valuable time</td>
<td>Non-Stackable design, increase space needs</td>
</tr>
</tbody>
</table>
Polycon drum spill containment pallets are designed for the safe and compliant storage of 205 Ltr drums. The pallets are 100% rotationally molded polyethylene with a broadband chemical compatibility.

Every pallet has a strong removable plastic grid for easy cleaning. Forklift pockets facilitate relocation of loaded pallets (without drums).

<table>
<thead>
<tr>
<th>CODE NO.</th>
<th>LENGTH (mm)</th>
<th>WIDTH (mm)</th>
<th>HEIGHT (mm)</th>
<th>Sump Capacity (litre)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Drum</td>
<td>1340</td>
<td>725</td>
<td>420</td>
<td>150</td>
</tr>
<tr>
<td>4 Drum</td>
<td>1340</td>
<td>1340</td>
<td>280</td>
<td>170</td>
</tr>
</tbody>
</table>

Tolerance: ±3% of the nominal dimensions as given in the table
Rotolining is a unique process that has recently seen significant advantages in part complexity and material performance. This technique allows for a seamless polymer lining to be applied to the interior surface of metal structures. The use of high performance thermoplastics in Rotolining assures that this process will continue to grow and be accepted as an industry standard.

**Advantages:**
- Seamless construction without weld joints
- Better chemical resistance
- Protection from most acids, alkalis, oxidizers, solvents
- Increased life cycle compared to other ‘spray-in’ liners
- Easier to line complex shapes

**Applications:**
- Acid Tanker tanks, Vessels
- Jacketed reactors & receivers
- Inlet & outlet Header for Reactor
- Pumps Casing
- Shell & tube heat exchanges with lining from inside of tubes
- Diaphragm Valves, Ball Valves etc.
- Agitators
- Spares for glass lined reactors
Polycon Portable restrooms (Toilets) provide you with a quality solution when you need to provide adequate sanitation and changing facilities. Ideal for temporary public events, playgrounds, parks, job sites or urban settings. Polycon portable toilets are made of UV Stabilised Polyethylene giving stability and eliminating the problem of rotting foundation.

**Salient Features**
- Rotational molded from high resistance UV Stabilized polyethylene able to withstand harsh weather conditions
- Tough and durable with all necessary practical features
- Smooth seamless surface very easy to clean, no growth of moss or fungus
- Non-skid chequered floor prevents slipping with self-draining system
- It is light weight and can be moved, transported and relocated easily
- No maintenance, no dents and no colour fading
- Double walled door for extra strength
- Durable latch on door for security
- All accessories used are of stainless steel material
- Custom colours available on request

**Dimension & Range**

<table>
<thead>
<tr>
<th>WIDTH (mm)</th>
<th>HEIGHT AT CENTRE (mm)</th>
<th>DEPTH (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1025</td>
<td>2350</td>
<td>1225</td>
</tr>
</tbody>
</table>

Tolerance: ±3% of the nominal dimensions as given in the table.
Polycon Inspection Chambers offer an alternative to traditional manholes. Polycon’s innovative design brings unrivalled flexibility to the underground drainage system.

- Made from Black HDPE/MDPE with excellent mechanical strength and rigidity
- Excellent Chemical resistance
- Significantly lighter than traditional concrete inspection chambers, thereby eliminating the need for heavy and expensive material
- Easy to install and backfill (within one day as compared to 2 or more days for a concrete chamber) thereby reducing installation cost
- Utilize simple ring-seal joints that create fast, water tight connections
- Precision engineered and pre-benched chamber base offers smooth, uninterrupted flow characteristics
- All inlet and outlet sockets allow ±10° movement in all directions to accommodate alignment adjustments during pipe lying

<table>
<thead>
<tr>
<th>CODE NO.</th>
<th>DIMENSIONS</th>
<th>INLET SIZE</th>
<th>OUTLET SIZE</th>
<th>TYPE OF PIPE ENDS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DIA</td>
<td>HEIGHT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HCB 600</td>
<td>600</td>
<td>350</td>
<td>160</td>
<td>160/200</td>
</tr>
<tr>
<td>HCB 800</td>
<td>800</td>
<td>360</td>
<td>160</td>
<td>160/200</td>
</tr>
<tr>
<td>HCC 600</td>
<td>600</td>
<td>255</td>
<td>160</td>
<td>160/200</td>
</tr>
<tr>
<td>HCC 800</td>
<td>800</td>
<td>345</td>
<td>160</td>
<td>160/200</td>
</tr>
</tbody>
</table>

Tolerance: ±3% of the nominal dimensions given in the table
POLYCON

Waste Bin

Containers & Trolleys

New Product For Environment Friendliness

Special Features

✦ Rotationally molded from high resistance UV Stabilized polyethylene
✦ Seamless, one piece construction
✦ Smooth seamless surface making it easy to clean
✦ Lightweight and easy to handle
✦ Recyclable, shock resistant & weatherproof
✦ No maintenance, no dents and no colour fading
✦ Available in standard Olive Green colour
✦ Custom made colours are available on request
✦ Your company’s logo can be screen printed on request

<table>
<thead>
<tr>
<th>CAPACITY (Litres)</th>
<th>LENGTH (mm)</th>
<th>WIDTH (mm)</th>
<th>HEIGHT (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>460</td>
<td>540</td>
<td>880</td>
</tr>
<tr>
<td>240</td>
<td>590</td>
<td>730</td>
<td>1100</td>
</tr>
</tbody>
</table>

Tolerance: ±3% of the nominal dimensions as given in the table
Bring elegance to your décor with Polycon Illuminated Planters/Flower Pots. These colourful, glowing flower pots are a stylish way to brighten up your garden, home or office. Their vibrant colours will lighten your apartment and add a contemporary touch to your living space.

In commercial spaces, hotels, restaurants or malls they can be used to create lit walkways or to enhance the ambiance. Our planters look great indoors or outdoors. Made from high grade polypropylene, in various sizes and colours, you can creatively blend them to suit your needs.

### Dimension & Range

<table>
<thead>
<tr>
<th>Square Planters</th>
<th>Code No.</th>
<th>Description</th>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGL-S 60</td>
<td>Square 60 ltr</td>
<td>450</td>
<td>375</td>
<td>375</td>
<td></td>
</tr>
<tr>
<td>PGL-S 250</td>
<td>Square 250 ltr</td>
<td>1000</td>
<td>500</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>PGL-S 200</td>
<td>Square 200 ltr</td>
<td>600</td>
<td>600</td>
<td>600</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Round Planters</th>
<th>Code No.</th>
<th>Height (mm)</th>
<th>Diameter (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGL-R 250</td>
<td>750</td>
<td>700</td>
<td></td>
</tr>
<tr>
<td>PGL-R 200</td>
<td>1000</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>PGL-R 100</td>
<td>425</td>
<td>500</td>
<td></td>
</tr>
</tbody>
</table>

Power Source: Electricity to be connected
No warranty for any accessories
Tolerance: ±3% of the nominal dimensions & thickness
Polyethylene Window Air Conditioner Cover

- 12 molded holes (lengthwise) and 16 holes (widthwise) for better air circulation
- Molded from FDA approved UV Stabilized Polyethylene
- Lightweight, strong, durable & rust-free
- Double-wall construction & smooth surface to allow easy cleaning
- Nestable Drip-tray for water collection also available at an extra cost
- Four molded holes on each side for easy installation
- Available in different colours

**Dimension & Range**

<table>
<thead>
<tr>
<th>LENGTH (mm)</th>
<th>WIDTH (mm)</th>
<th>HEIGHT (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>985</td>
<td>600</td>
<td>600</td>
</tr>
</tbody>
</table>

Tolerance: ±3% of the nominal dimensions as given in the table
POLYCON Products

Customized Products...

and more
Welcome to POLYCON