

Company Profile for Laffan Pipes Factory



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Company Profile

Laffan Pipes Factory (LPF) was established in Qatar 2019 as the first and leading manufacturer and supplier of high quality double wall HDPE corrugated pipes with ribbed injection molding fitting, which are widely used for sewage and storm water.



We are a sister company of Doha Precast Factory (DPF), a company specialized in the production of concrete pipes and manholes of various sizes. Additionally, we are a sister company with Doha Waterproof Factory, a company specialized in the manufacturing of High Density Polyethylene sheets.

Our Product

Product description and Specification

HDPE pipes are relatively lightweight allowing for easier and less costly transportation and installation costs. Our current product includes diameters ranging from 150, 200, 300, and 400 millimeter inner diameters with a future expansion up to 1200 millimeters.

Our HDPE Double wall corrugated pipes have a smooth - surfaced inner wall (colored gray) surrounded by a profiled outer wall (colored black). The corrugated outer wall provides optimum strength under compression loading.

Inside Diameter (mm)	Outside Diameter (mm)	Ring Stiffness (kN/m ²)
150	172.5	8
200	230	8
300	345.5	8
400	460	8

HDPE Raw Material Properties and Specifications

The Corrugated HDPE-pipes are manufactured from high-density polyethylene and are recommended for fluids at elevated temperatures.

Properties of the HDPE material used in our pipe:

- High degree of resistance to chemicals,
- Resistance to abrasion,
- Smooth inner surface preventing precipitation,
- High degree of fluidity with minimum pressure loss,
- Heat resistance of up to 60°C .
- No corrosion is ever formed,

The material that is used for the production of the HDPE Corrugated pipes is pure High Density Polyethylene Made in Qatar. The raw material has already been tested and we have achieved good results related the production process and the Ring Stiffness.

Main Advantages of HDPE Corrugated Pipes

- Resistant to chemical attack
- Resistant to abrasion
- Highly flexible
- Highly resistant to impact
- Fully leak-tight and watertight
- Light weight
- Smooth inner surface
- Easy to handle & transport
- Easy to join
- Resistant to degradation by UV rays
- Useful lifetime of over 100 years
- Easy inside visual inspection

Technology

LPF is equipped with the latest modern technology in order to meet our client's satisfaction by producing consistent and high quality products adhering to the latest international standard. Some of our suppliers include:

- Corrugation Machine from Germany
- Extruder from Germany
- Cutting Machine from Italy
- Socket Machine from Italy





Quality Control and Assurance:

Laffan Pipes Factory is committed to producing high quality corrugated pipe, which are manufactured in accordance with QCS, BS EN 13476-3 and the relevant standards related to corrugated pipe. We have control measures in place to ensure consistency and quality in our product. Our testing laboratory ensures that the characteristics of our pipe adhere to the standards, as well as meet customer specifications.

Our testing laboratory includes the following tests and quality control equipment:

- Ring Stiffness & Flexibility testing machine according to ISO 9969 and ISO 13968
- Joint Tightness testing machine according to EN 1277
- Impact testing machine according to EN 744

Test Method	Requirement	Standard
Ring Stiffness	SN8	ISO 9969
Ring Flexibility	Up to 30% deflection	ISO 13968
Impact Strength	No crack	EN 744
Joint Tightness	No leak	EN 1277
Dimensions	Table 5	EN 13476-3

1. Ring Stiffness Test



The ring stiffness test is used to determine the pipe's resistance to external forces. A 3% diametric deflection of the internal diameter is applied to the pipe and the stiffness can be calculated in accordance with ISO 9969.

2. Ring Flexibility Test



The ring flexibility test is a continuation of the ring stiffness test, except that a 30% diametric deflection is applied to the pipe. The purpose of this test is to see if the pipe maintains its structure under strenuous conditions.

3. Impact Test



The impact test is tested in accordance with EN 744. The purpose of this test is to determine if the pipe cracks when impacted by a given weight at a 2 meter height. The test is deemed to have passed if there are no visible cracks in the pipe.

4. Joint Tightness Test



The joint tightness test is a test which measures the tightness of the EPDM rubber gasket at a vacuum pressure. If no leak occurs, then the test is said to have passed.

Certificate of Registration

This is to certify that the Management System of:

Laffan Pipes Factory

PO Box – 50311, Doha – Qatar, State of Qatar, CR No: 129267

has been approved by Alcumus ISOQAR and is compliant with the requirements of:

ISO 9001: 2015



Certificate Number:

18632-Q15-001

Initial Registration Date:

03 March 2020

Expiry Date:

03 March 2023

Scope of Registration:

Production and supply of plastic pipes

Signed:

Steve Stuble, Technical Director
(on behalf of Alcumus ISOQAR)



A handwritten signature in black ink, appearing to read 'Steve Stuble', is written over a light blue circular background.

This certificate will remain current subject to the company maintaining its system to the required standard. This will be monitored regularly by Alcumus ISOQAR. Further clarification regarding the scope of this certificate and the applicability of the relevant standards' requirement may be obtained by consulting Alcumus ISOQAR.

Company Policy

	QUALITY MANAGEMENT POLICY	Doc. No : LPD-POL-01
		Revision : 00
		Issue Date : 01 Nov 2019

We, at the Laffan Pipes Factory are committed to the "Production and supply of plastic pipes". Laffan Pipes Factory derives its success from a focus on customer satisfaction, employee involvement, profitable growth, comply with all applicable legal and other requirements, continual improvement and implementation of quality management systems standards. In support of this, our quality policy statement is:

- ❖ *Fulfill the commitments made to the internal and external customers in an effective and efficient manner, exceeding their expectations.*
- ❖ *Enhance customer satisfaction by delivering professional service in a timely, accurate and reliable manner.*
- ❖ *Regularly reviewing the quality policy, objectives & targets and ensuring continual improvements.*
- ❖ *Providing sufficient information, instruction, training and supervision for employees for their development*
- ❖ *Ensure all interested parties are aware of our quality policy, objectives, and procedures & communicated, understood and applied within the organization and be available to relevant interested parties, as appropriate.*
- ❖ *Are committed to the continual improvement of our Quality Management System, and involve our employees, customers, suppliers and all interested parties in activities to help achieve this.*

Meeting these high standards is the responsibility of the entire Laffan Pipes Factory team. We have a shared commitment to the effective operation of the Quality Management System, and to the achievement of this Quality Policy and the Objectives derived from it.

Approved By:
General Manager
01st November 2019



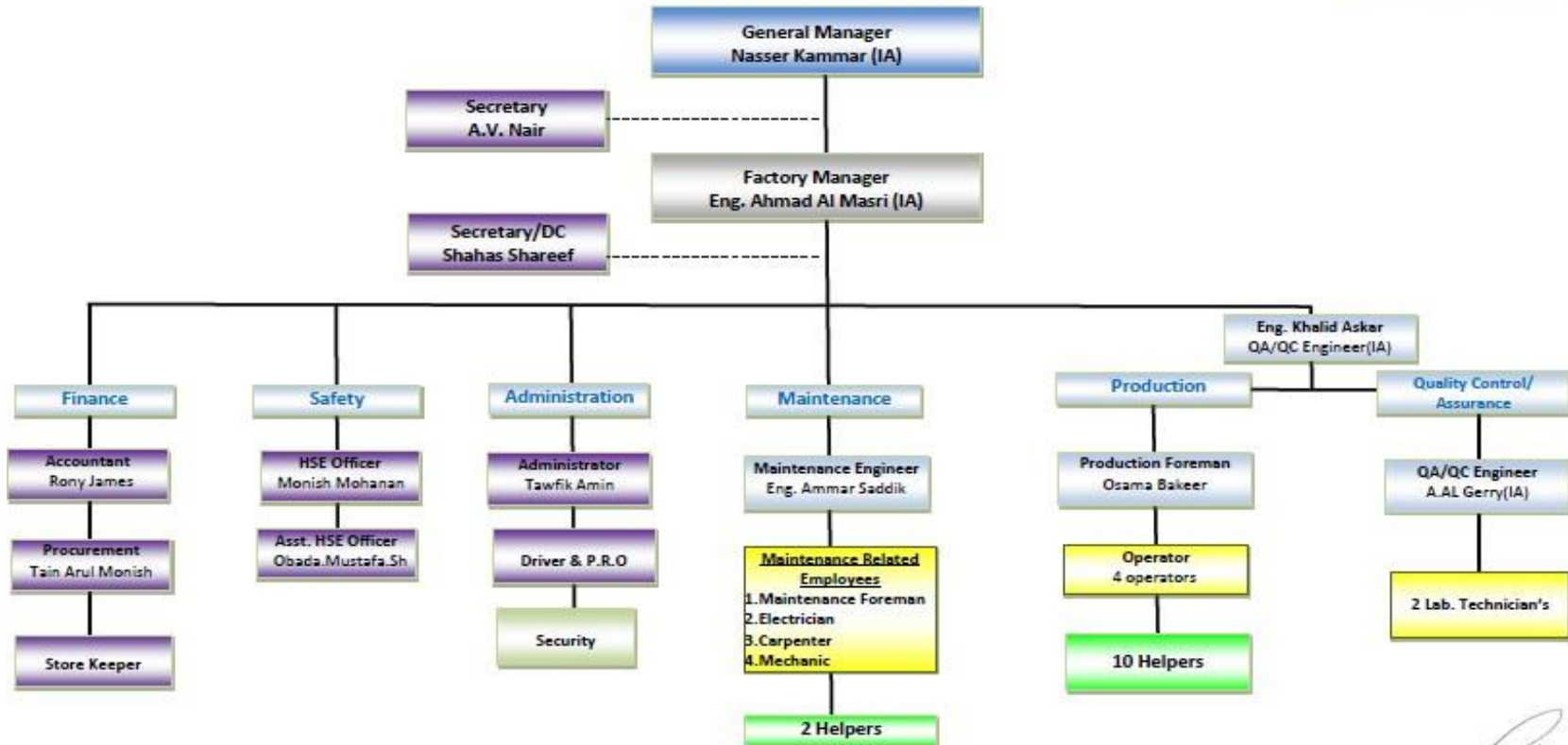
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Laffan Pipes Factory
Organization Chart
Appendix – 01 for QMS

Rev-01 Dated: 02-Jun-2020




Nasser Kammar
General Manager
Laffan Pipes Factory