

Project: **Alrosafah Water Tanks Project-Bagdad, Iraq**

Client: **Al Matin Group**

Office: **DUBAI**

Client's Order Number: **Request for services signed by the client**

Date: **29 April 2009**

Order Status: **COMPLETED**

Inspection Dates

First: **27 April 2009**

Final: **29 April 2009**

This certificate is issued to **Al Matin Group- Homs, Syria**

To certify that at their request the undersigned inspector's to Lloyd's Register EMEA did attend the Al Matin Group Homs, Syria premises and Laboratory, and between the aforementioned dates for the purpose of inspecting the below mentioned material, stated to be supplying to Isam and Al Mabrook contractions -Bagdad, Iraq to the Scope of Inspection as detailed below:

Item Description: Corrugated Polyethylene Pipes

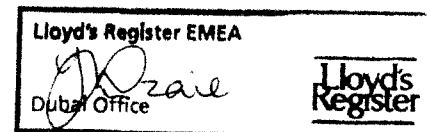
Ser. No.	Size	Qty	Production Number	Material Specification	Manufacturer
1	ID1200mm x e4 13mm x e5 8mm x Length 12m	8500 m	0012	HDPE PE100 Density 959kg/ m ³	AL Matin Group

Scope of Inspection:

- 1) Verified marking, visual and dimensional Inspection. (10 % at Random)
Selected samples witnessed Physical testing and reviewed Mechanical test results.
(For Details Refer reports # ML1, ML2 and ML3).
- 2) Reviewed test certificates against EN13476-3:2007, Mechanical properties.

Conclusion:

Based on the above scope of inspection and information furnished, materials covered by this certificate are considered to comply with EN13476-3:2007 Type B.



Younis ALKHUZAIE
Inspector to Lloyd's Register EMEA

A member of the Lloyd's Register Group

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RING FLEXIBILITY المرونة الحلقية

27/04/2009

rep nr. ML2

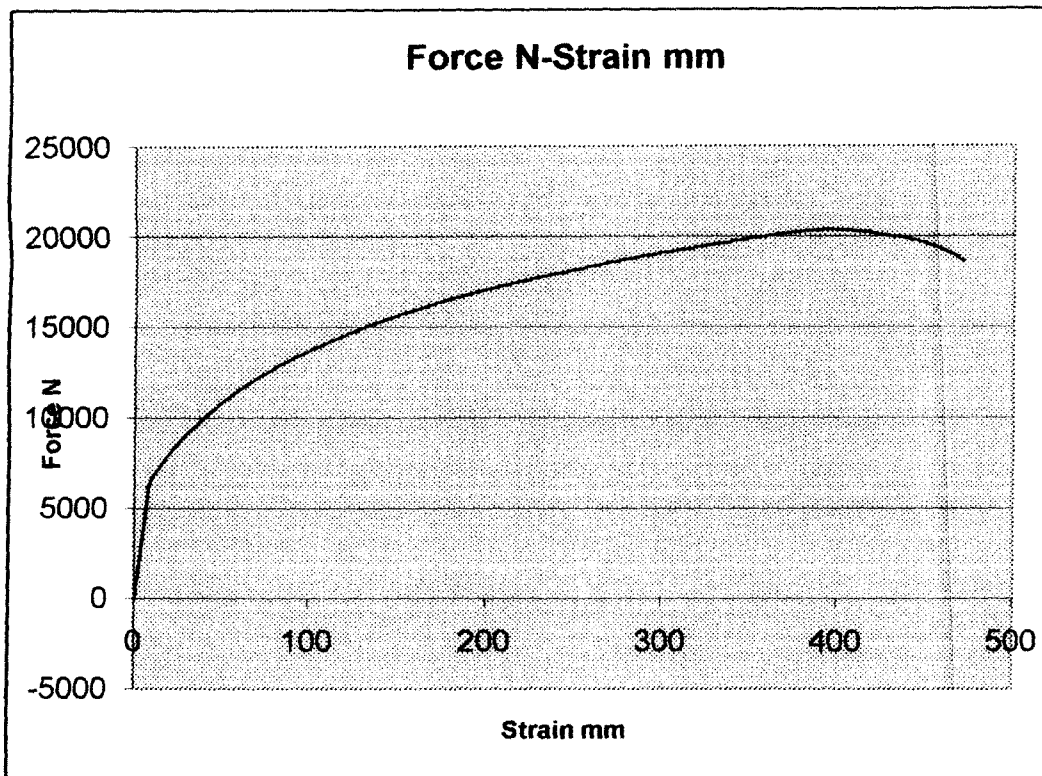
Parameter table :

Company name : مخابر شركة المتين بحضور مفتش لويدي Test Type : Compression
Test standard : ISO9969 EN-13476-3-2007
Speed : 50
material : HDPE

Results :

DI 1200 mm Lenght : 376 mm

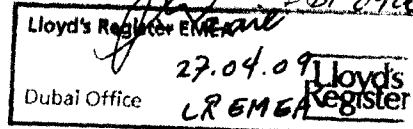
Fmax : 20390 N Sr : 29516.9 N/m²



OBSERVATIONS: NO CRACKES HAVE BEEN SEEN WHEN THE PIPE WAS TESTED AS PER THE AI ABOVE MENTIONED STANDARD

QA& QC MANGER
DR.NIZAR KAKHI

WITNESSED BY:
lloyd inspector
Younis al Khuzai



TEST REPORT

REPORT NR. ML 3

DATE: 27-4-2009

MATIN LABS.

TEST TYPE: MELT FLOW RATIO MFR

CUSTOMER NAME: ISAM AND AL MABROUK CONSRUCTIONS(BAGHDAD-IRAQ)

PIPE DIAMETER : ID# 1200

RAW MATERIAL: HDPE

PROCEDURE: A SAMPLE PICES WERE TAKEN FROM THE PIPE BODY AND THEN PUT IN THE TEST DEVICE AS PER ASTM D 1238.

RESULT: 0.4 GR/10MIN

REQUIREMENTS: LESS THAN 1.6 GR/10MIN

THE RESULT IS COMPLIED WITH THE INTERNATIONAL STANDARD EN 13476-3-2007 AND THE CUSTOMER REQUIREMENTS.

AQ & QC MANGER

DR. NIZAR KAKHI

N. Kakhi

WITNESSED BY : LLOYD INSPECTOR

YOUNIS AL KHUZAIE

