



Client: Habika Contracting Company	Office: Basra, Iraq	IVR No.: TF/IR/THR/INS/CG/019984
Project: - Goptapa-Chamchamal water supply project	Other References (If any): - ITP-HABICA/025	Report date: 07.07.2026
Note of Inspection Letter No.: - as per as invoice no pi-04-103-024	Supplier/Vendor: HANYCO	Order Status: ☒ Complete ☐ Incomplete
Inspection Date: 03.06.2026 – 07.02.2026	Inspection Place: HAMOUN NYZEH COMPANY, 14Km, ARDESTAN road, KASHAN, Iran.	
Inspection duration: 2 DAY		

1) Material inspected

ITEM	DESCRIPTION	TAG/SERIAL NUMBER	QUANTITY	
			ORDERED	INSPECTED
Part 1	DN 900 / Ductile Iron Pipes Class C20 Tyton Push-In Joint type acc. to ISO 2531:2009, with EPDM rubber gasket acc. to ISO 4633. Internally lined by cement mortar acc. to ISO 4179, externally coated by metal zinc 200 gr/m2 plus bitumen acc.to ISO 8179. L=6 M	-	1667	920
Part 2		-		747

2) Scope of inspection

The Inspection in accordance with the attached ITP (ITP-HABICA/025), which has 9 activity includes:

supplier quality plan, material receiving plan, chemical composition, mechanical properties, microstructure, dimensional, appearance, hydrostatic test, lining, coating, marking, accessories & packing.

3) Applicable documents

Row	Document Name	Document Number
1	COMMERCIAL INVOICE	PI-04-103-024
2	ITP	ITP-HABICA/025
3	Standards	ISO 2531
4		ISO 4179
5		ISO 4633
6		ISO 8179

4) Instruments used

Row	Equipment Name	Equipment Number	Calibration Validity Date
1	Tensile machine	QL004	2027.10.19
2	Hardness tester	QL003	2027.10.06
3	Caliper	QL107	2027.03.13
4	THICKNESS GAGE (Ductile wall thickness)	PC464	2026.02.08
5	Hydrostatic pressure gage	FT 029.1	2026.09.27
6	Thickness gage of lining	PC 400	2026.04.26
7	Furnace Pyrometer (Heat Treatment)	QL 034	2027.09.28
8	Elcometer (finishing layer thickness gage)	QL 117	2026.03.13
9	Circometer 20-300	QL 436	2026.10.24
10	Circometer 700-1100	QL 439	2026.10.24
11	Tape Measure	QL 133	2027.04.26

5) Description of inspection

The inspection carried out for **Hardam Company** and item are as follows:

1.the ductile iron pipes inspected list as follows as table:

DN	Description
900	C20, 1667 PCS

2.inspection was done based on the unique serial number of pipes for following step of ITP-HABICA/025:



3. Acc to clause 1, the available documentation shows that the system is in place. **IMS certification** is available and quality documentation was observed & were acceptable.

Raw material control documentation was observed, and sampling of raw materials was carried out to obtain a valid test report.

4. Acc to clause 2, **Visual inspection** were done considering the technical issues, the appearances of pipe after casting & after coating were inspected separately and no discrepancies were observed. Dimensional inspection (wall thickness, length, internal & external diameter (DE), ovality, straightness, socket depth) was carried out according to ITP clauses and is within the acceptance range.

5. Acc to clause 3, for **chemical composition, microstructure, mechanical properties** include Tensile strength (N/mm²), % Elongation, Brinell Hardness was performed and, on the samples, taken and tested in accordance with ITP and results are satisfactory and within the acceptance range.

6. Acc to clause 4, **Leak Tightness (Hydrotest)** according to ITP carried out and the results will be mentioned in the report.

7. zinc **coating** acc to clause 5&6 of ITP include zinc purity, material type, test plate for mass of zinc coated on the pipe be check and result mentioned in this inspection report and are in acceptance range. The **cement lining** (ratio of material s/c, w/c, mortar precreation, wall thickness & appearance...) checked acc to ITP clause 6, and the results are satisfactory.

9. Acc to clause 7, **marking** of manufactured products was checked & accepted in terms of the information that must be legibly and durably marked.

10. EPDM gasket dimensional control & quantity check acc to clause 8 preformed and the result will be mentioned in this report, also for material & physical properties sample was taken and sent to RAZI refences LAB.

11. Acc to clause 9, documents control (purchase order, TDS & MTC), Packing inspection was check and everything accepted.

12- All inspection documents (Performa, ITP), laboratory results & calibration tools report are attached.

6) Non-Conformances

7) Further Operation

8) Conclusion

In accordance with the request of the respected employer acc to ITP, all items were carried out, and no discrepancies were found.

Final Result

✓ **Satisfactory**

- ☐ Unsatisfactory
- ☐ Satisfactory with comment

9) Attachments:

- Minutes of Meeting
- Test Reports
- ITP
- Porches order (Performa)
- Calibration certificates
- IMS Certificates

10) Pictures & test result



1. Material sampling



2. Chemical composition Sample

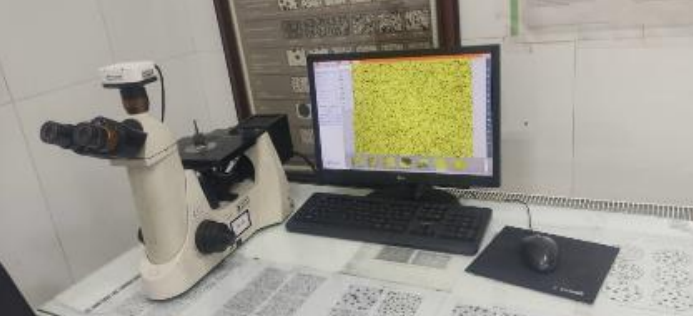
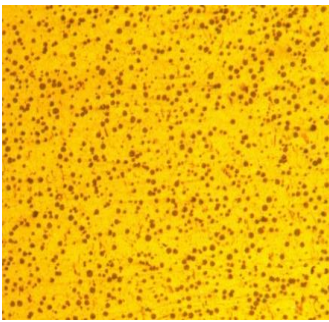
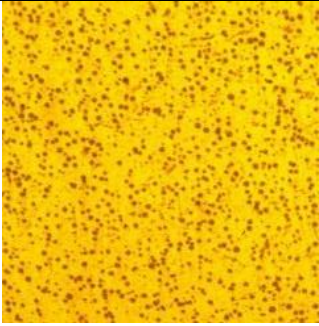
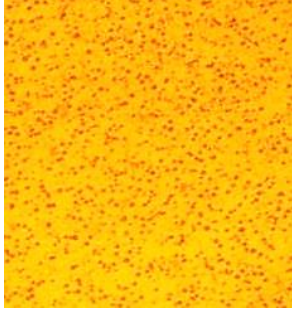
SN	DN	Mg	S	Mn	Si	C	Result
202690000345	900	0.04	0.013	0.081	2.27	3.54	Pass
202690001246		0.053	0.011	0.129	2.91	3.51	Pass
202690001253		0.045	0.01	0.116	2.43	3.56	Pass
202690001259		0.052	0.013	0.115	2.67	3.5	Pass



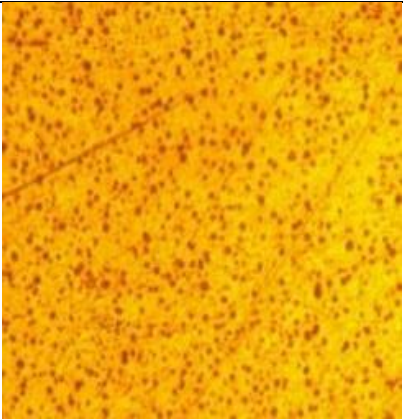
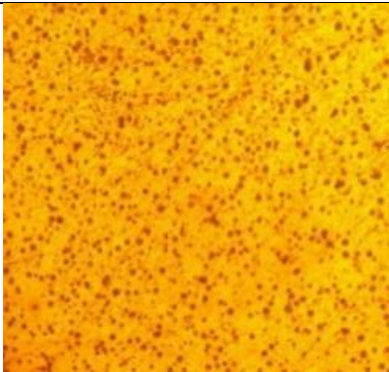
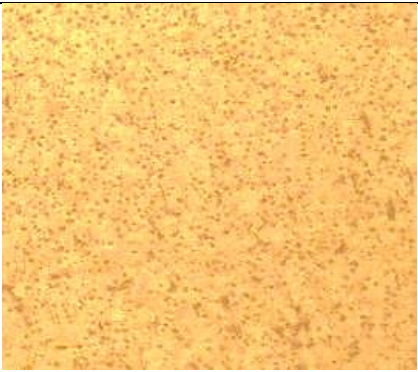
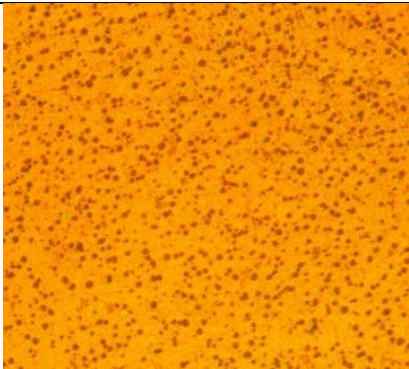
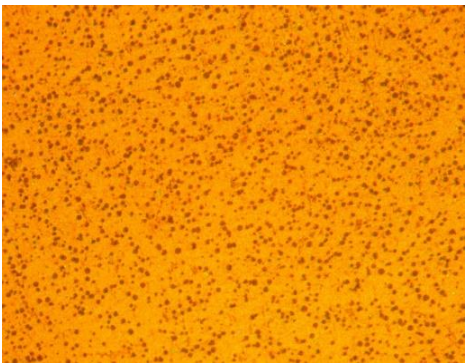
202690001265	900	0.049	0.012	0.11	2.74	3.45	Pass
202690001272		0.051	0.01	0.101	2.72	3.4	Pass
202690001280		0.047	0.011	0.097	2.74	3.5	Pass
202690001304		0.052	0.014	0.089	2.69	3.46	Pass
202690001316		0.041	0.012	0.063	2.55	3.63	Pass
202690001329		0.042	0.009	0.063	2.88	3.48	Pass
202590004970		0.05	0.012	0.38	2.44	3.60	Pass
202590004917		0.04	0.015	0.30	2.30	3.70	Pass
202590004908		0.06	0.014	0.36	2.43	3.44	Pass
202590004860		0.06	0.013	0.39	2.23	3.65	Pass
202590004855		0.06	0.011	0.40	2.31	3.71	Pass
202590004852		0.06	0.013	0.39	2.23	3.65	Pass
202590002292		0.06	0.013	0.35	2.23	3.72	Pass
202590002310		0.05	0.011	0.35	2.17	3.60	Pass
202590002344		0.05	0.012	0.37	2.24	3.42	Pass
202590002395		0.04	0.019	0.38	2.15	3.66	Pass
202590002411		0.05	0.013	0.40	2.31	3.71	Pass
202590002407		0.06	0.011	0.41	2.24	3.58	Pass
202590002633		0.05	0.016	0.36	2.39	3.62	Pass
202590002636		0.04	0.014	0.39	2.40	3.63	Pass
202590003536		0.05	0.010	0.34	2.22	3.48	Pass
202590003539		0.04	0.008	0.37	2.23	3.49	Pass
202590003702		0.06	0.014	0.37	2.20	3.58	Pass
202590003705		0.04	0.012	0.35	2.24	3.42	Pass
202590003898		0.04	0.015	0.35	2.21	3.53	Pass
202590003901		0.04	0.011	0.31	2.38	3.63	Pass

2.1 Pipes chemical composition result

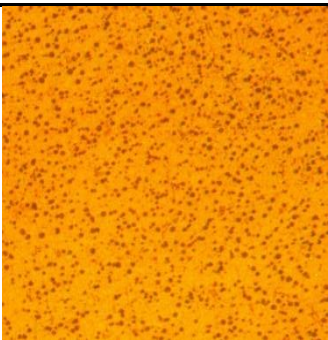
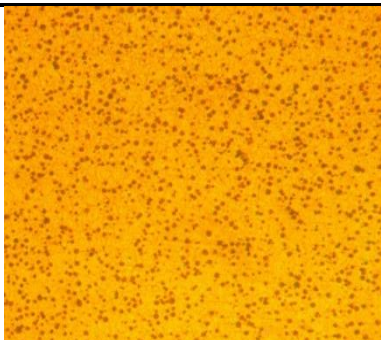
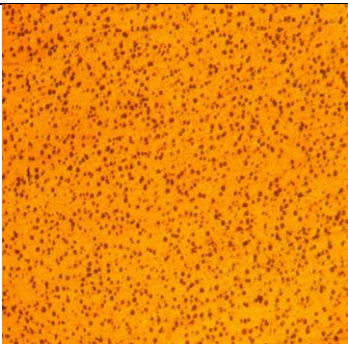
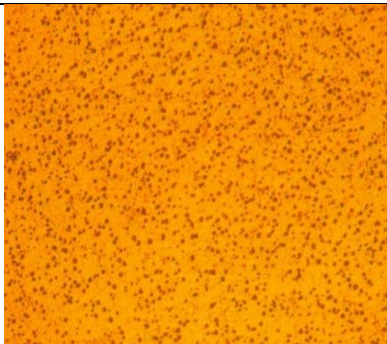


 DN 900 77 DN 900 130 YIVA 9 YIVA 9 YIVA 9 YIVA 9 YIVA 9 YIVA 9	 
3. Pipes microstructure & hardness sampling	4.1) Pipes metallography
	
202590004917	202590003897
	



202590002482	202590002636
	
202590003511	202590003490
	
202590002178	202590002206
	
202690001242	202690001268



	
202690000345	20269001282
	
202690001290	202690001300

DN 900 microstructure Picture						
SN	Sphericity%	NC	G Size	Structure	Hardness	Result
202590002178	90<	450	5.10	Perlite <%5	168	Pass
202590002180	90<	500	5.10	Perlite %5	166	Pass
202590002204	90<	500	5.15	Perlite %5	167	Pass
202590002206	90<	450	5.10	Perlite %2	166	Pass
202590002391	90<	500	5.15	Perlite <%5	161	Pass
202590002395	90<	450	5.10	Perlite %2	165	Pass
202590002482	90<	450	5.15	Perlite %2	168	Pass
202590002546	90<	450	5.15	Perlite %5	170	Pass
202590002550	90<	500	5.10	Perlite %2	165	Pass
202590002636	90<	450	5.10	Perlite %5	165	Pass
202590002639	90<	500	5.10	Perlite %5	170	Pass



202590002708	90<	450	5.15	Perlite %5	169	Pass
202590002711	90<	500	5.10	Perlite %2	168	Pass
202590003490	90<	500	5.20	Perlite %2	160	Pass
202590003494	90<	500	5.15	Perlite %5	161	Pass
202590003510	90<	500	5.15	Perlite %5	166	Pass
202590003511	90<	500	5.15	Perlite %5	167	Pass
202590003674	90<	500	5.15	Perlite %5	164	Pass
202590003677	90<	500	5.10	Perlite %5	169	Pass
202590003735	90<	500	5.10	Perlite %2	177	Pass
202590003737	90<	500	5.10	Perlite %5	173	Pass
202590003897	90<	450	5.10	Perlite %5	169	Pass
202590004894	90<	450	5.15	Perlite %5	161	Pass
202590004897	90<	450	5.10	Perlite %5	160	Pass
202590004913	90<	500	5.15	Perlite %5	166	Pass
202590004917	90<	550	5.10	Perlite <%5	170	Pass

4.2) microstructure picture & result



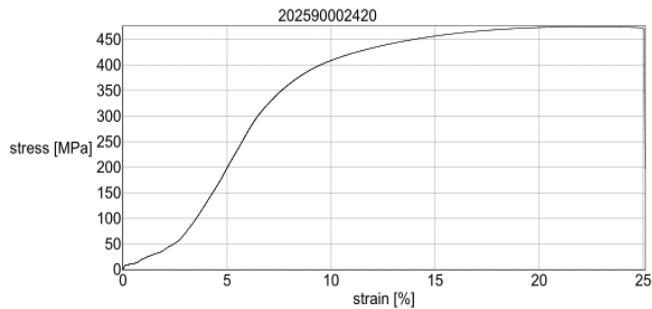
5. Mechanical properties-Brinell Hardness



name	Rm [MPa]	At [%]	Fm [N]
202590002420	474,990	25,084	9457,500

Statistics 2024:

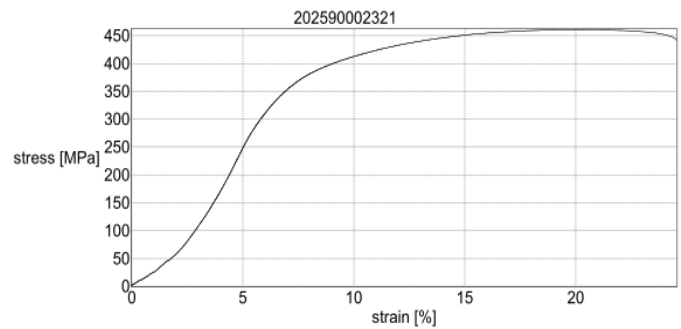
	Rm [MPa]	At [%]	Fm [N]
R	0,000	0,000	0,000
nominal value	n.a.	n.a.	n.a.



name	Rm [MPa]	At [%]	Fm [N]
202590002321	460,868	24,547	9200,250

Statistics 2024:

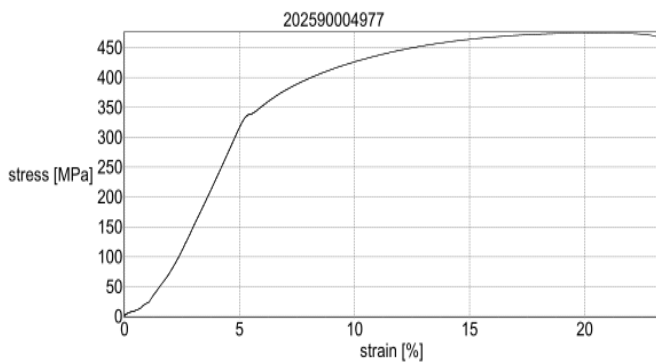
	Rm [MPa]	At [%]	Fm [N]
R	0,000	0,000	0,000
nominal value	n.a.	n.a.	n.a.



name	Rm [MPa]	At [%]	Fm [N]
202590004977	474,890	23,227	9446,250

Statistics 2024:

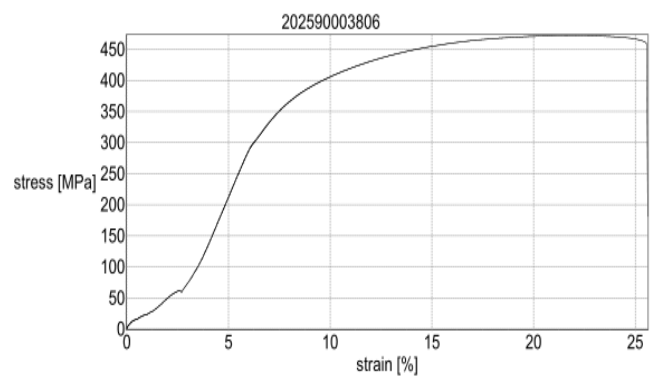
	Rm [MPa]	At [%]	Fm [N]
R	0,000	0,000	0,000
nominal value	n.a.	n.a.	n.a.



name	Rm [MPa]	At [%]	Fm [N]
202590003806	472,255	25,613	9414,000

Statistics 2024:

	Rm [MPa]	At [%]	Fm [N]
R	0,000	0,000	0,000
nominal value	n.a.	n.a.	n.a.



name	Rm [MPa]	Fm [mm]	A [mm]
202690000437-1	494,008	9543,917	25,109
202690000437-2	491,416	9531,500	23,489

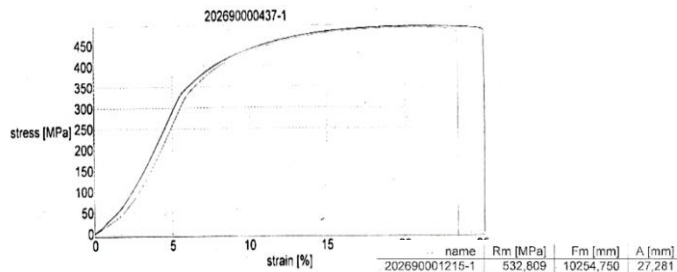
Statistics 2026:

	Rm [MPa]	Fm [mm]	A [mm]
R	2,592	12,417	1,620
nominal value	n.a.	n.a.	n.a.

name	Rm [MPa]	Fm [mm]	A [mm]
202690000438-1	514,632	9941,917	26,682
202690000438-2	515,360	9997,333	25,564

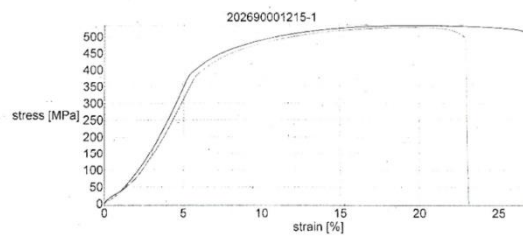
Statistics 2026:

	Rm [MPa]	Fm [mm]	A [mm]
R	0,728	55,416	1,118
nominal value	n.a.	n.a.	n.a.



Statistics 2026:

	Rm [MPa]	Fm [mm]	A [mm]
R	5,631	53,667	4,197
nominal value	n.a.	n.a.	n.a.



6.3 Mechanical Properties-Tensile strength& elongation test

PIPE Number	Tensile strength (Mpa)		Elongation (%)		Hardness (HB)		Result
	Standard	Measured	Standard	Measured	Standard	Measured	
202590002420	>420	474	>10	18	<230	165	Pass
202590004977		474		19		168	Pass
202590002321		460		19		165	pass
202590003806		472		18		166	pass
004380202690		492		17.5		168	pass
202690000437		492		19.1		165	pass
202690001215	900	529		20.7	<230	177	Pass

6.4 Mechanical strenght test result



x



7.1 Dimension & appearance: External and Internal Socket

Parameter	SN	Measured (%)	Appearance check	RESULT
Ovality (circular)	202590002201	0.4	OK	Pass
	202590002313	0.8	OK	Pass
	202590002332	0.7	OK	Pass
	202590002346	0.6	OK	Pass
	202590002350	0.5	OK	Pass
	202590003497	0.6	OK	Pass
	202590003534	0.7	OK	Pass
	202590003920	0.6	OK	Pass
	202590003923	0.7	OK	Pass
	202590003926	0.6	OK	Pass
	202590003929	0.8	OK	Pass
	202590004876	0.6	OK	Pass
	202590004907	0.7	OK	Pass
	202590004930	0.8	OK	Pass
	202690000437	0.8	OK	Pass
	202690000495	0.7	OK	Pass
	202690000538	0.7	OK	Pass
	202690000818	0.8	OK	Pass
	202690001247	0.7	OK	Pass
	202690001255	0.8	OK	Pass
	202690001299	0.6	OK	Pass
	202690001301	0.7	OK	Pass
*Socket Length (depth)		175 mm	OK	Pass

7.2 Dimension & appearance: External and Internal Socket result



7.3 Dimension & appearance: dimensional requirement / wall thickness

7.4 Dimension & appearance: Length

PIPE Number	Wall thickness (mm)		Length (M)		Result
	Standard (Min)	Measured	Standard (m)	Measured (M)	
202590004907	6.7	11.3	5.90 – 6.07	6.02	Pass
202590004853		10.6		6.04	Pass
202590004971		11.32		6.02	Pass
202590004922		11.40		6.01	Pass
202590004935		10.98		6.01	Pass
202590003877		11.2		6.03	Pass
202590003876		10.5		6.01	Pass
202590003870		10.8		6.02	Pass
202590003862		10.3		6.00	Pass
202590003751		11.1		5.99	Pass
202590003731		10.1		5.99	Pass

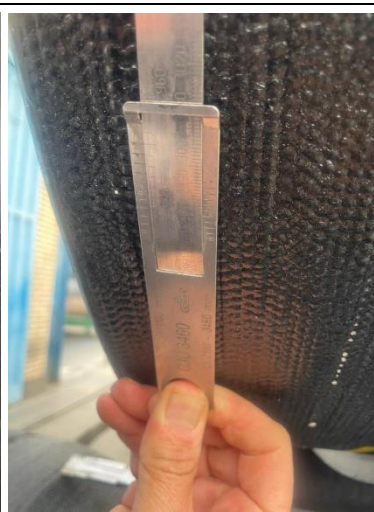
202590003676		11.1		6.01	Pass
202590003561		11		6.02	Pass
202590003547		10.3		6.00	Pass
202590002288		11.1		6.01	Pass
202590002315		11.9		6.04	Pass
202590002350		10.8		6.0	Pass
202590002422		10.90		6.04	Pass
202590002512		11.1		6.01	Pass
202590002598		11.1		6.01	Pass
202690000437	900	10.5	5.90- 6.07	6.00	Pass
202690000495		10.6		5.99	Pass
202690000538		10.7		5.97	Pass
202690000818		11.1		6.02	Pass
202690001247		10.7		6.01	Pass
202690001255		10.9		6.00	Pass
202690001299		11.0		5.99	Pass
202690001301		11.1		6.01	Pass
7.5 Dimension & appearance: External DE & pipe length result					



DN	Standard (manufacturer design)	Internal diameter D4 (mm)
900	946.5-951.6	950.5
DN	Standard (manufacturer design)	Internal diameter D4 (mm)
900	990-994.1	992.4

7.6 Dimension & appearance: internal diameter

7.7 Dimension & appearance: internal diameter result



7.8 Dimension & appearance: dimensional requirement / DE



PIPE Number	DE (external diameter) (mm)		
	Standard	Measured	Result
202590004908	940.2 - 946	943.5	Pass
202590004899		943.5	Pass
202590004895		944	Pass
202590004922		943.3	Pass
202590004931		945.1	Pass
202590003834		944.1	Pass
202590003862		943.4	Pass
202590003751		944.0	Pass
202590003731		943.6	Pass
202590003676		943.1	Pass
202590003561		943.3	Pass
202590003547		943.8	Pass
202590003540		944.1	Pass
202590002256		943.2	Pass
202590002288		943.5	Pass
202590002309		943.5	Pass
202590002350		943.1	Pass
202590002502		944	Pass
202590002422		944.1	Pass
202690000437		942.1	Pass
202690000495		942.9	Pass



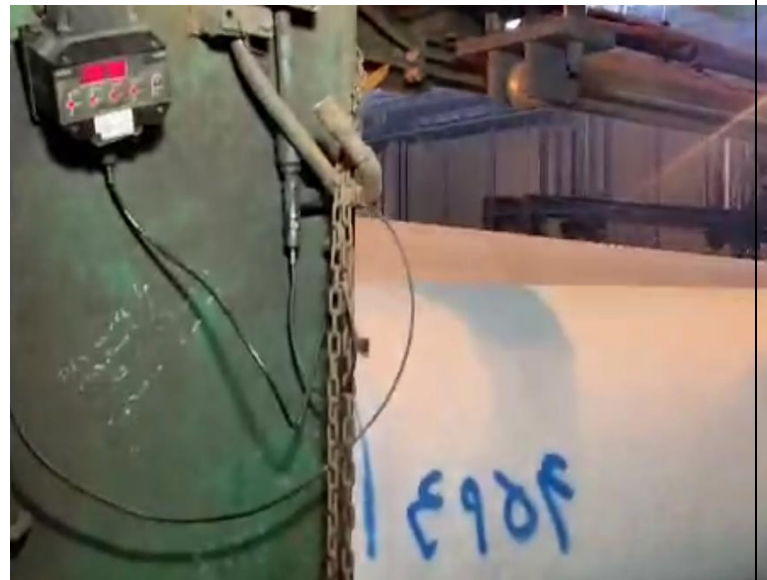


202690000538		942.2	Pass
202690000818		941.9	Pass
202690001247		941.4	Pass
202690001255		941.1	Pass
202690001299		940.9	Pass
202690001301		941.2	Pass

7.9 Dimension & appearance: External diameter DE result



8. Hydrostatic test procedure



8.1 Hydrostatic test gage

PIPE Number	DN (Class)	Pressure (bar) Min PFA/Class	Result	PIPE Number	DN (Class)	Pressure (bar) Min PFA/Class	Result
202590002378	900 C20	> 20bar,15sec	Pass	202590004910	900 C20	>20bar,15sec	Pass
202590002456		>20bar,15sec	Pass	202590004911		>20bar,15sec	Pass
202590002566		>20bar,15sec	Pass	202590004931		>20bar,15sec	Pass
202590002790		>20bar,15sec	Pass	202590004953		>20bar,15sec	Pass
202590002867		>20bar,15sec	Pass	202590004959		>20bar,15sec	Pass
202590003011		>20bar,15sec	Pass	202590004964		>20bar,15sec	Pass
202590004890		>20bar,15sec	Pass	202590004965		>20bar,15sec	Pass
20269001233	900 C20	>20bar,15sec	Pass	20269001255	900 C20	>20bar,15sec	Pass
20269001239		>20bar,15sec	Pass	20269001267		>20bar,15sec	Pass

20269001244		>20bar,15sec	Pass	20269001270		>20bar,15sec	Pass
20269001247		>20bar,15sec	Pass	20269001295		>20bar,15sec	Pass
20269001250		>20bar,15sec	Pass	20269001299		>20bar,15sec	Pass

8.2 Hydrostatic test result



9. EXTERNAL COATING: Visual check



9.1 EXTERNAL COATING: FILM THICKNESS CONTROL

DN - SN	Zinc Mass (gr/m ²)	Result
900 C20 - 2560	237	PASS
900 C20 - 3010	233	PASS
900 C20 - 4917	267	pass

	900 C20- 830	244	pass	
	900 C20- 1250	249	pass	

9.2 EXTERNAL COATING (Zinc Mass)

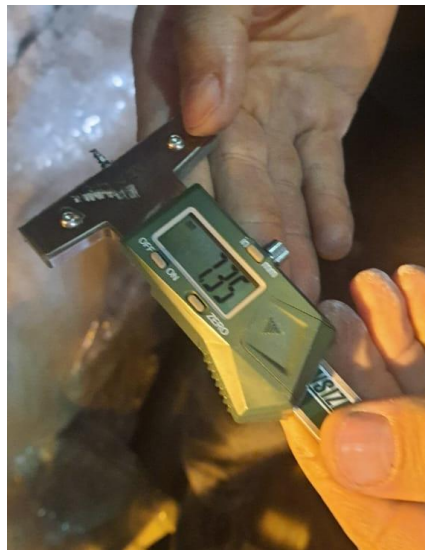
1 از 2

آزمون تعیین عناصر به روش ICP-MASS

غلظت و درصد وزنی عناصر موجود در نمونه به شرح زیر است:

عنصر	غلظت (ppm)	عنصر	درصد وزنی
Th	<1	Zn	99.99
Ti	<1	-	-
Tl	<1	-	-
Tm	<1	-	-
U	<1	-	-
V	<1	-	-
W	<1	-	-
Y	<1	-	-
Yb	<1	-	-
Zr	<1	-	-
Te	<1	-	-
Mg	<1	-	-
-	-	-	-

9.3 EXTERNAL COATING (Purity)



9.3 Coating & lining: Preparation and mortar weight & S/C – W/C ratio

Sand= 385 kg, Cement=370Kg S/C=1.02

9.4 Coating & lining: Lining thickness measure

(The detail of lining thickness in 9.6 section.)

9.5 Coating & lining: appearance

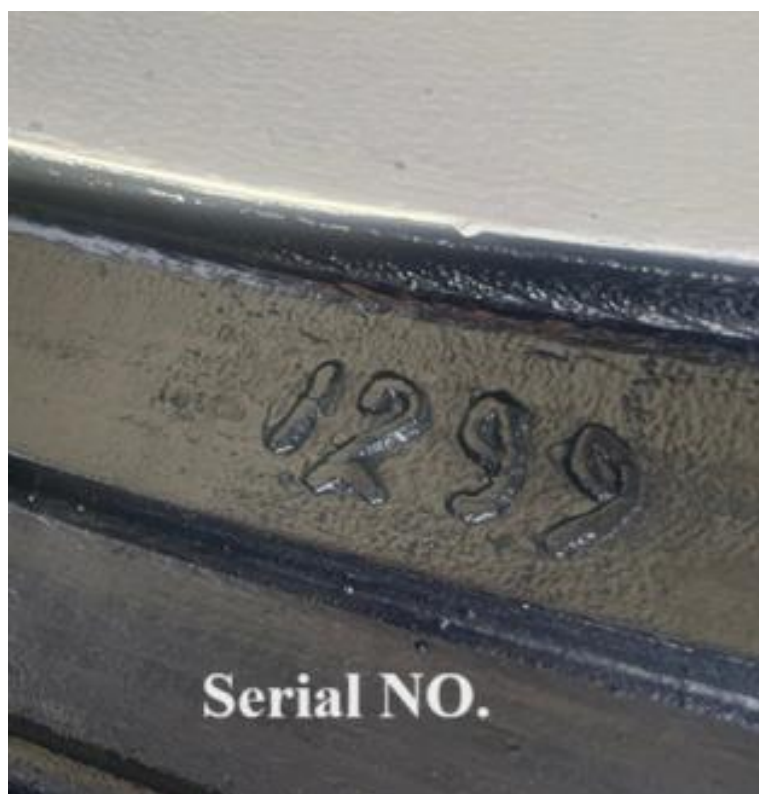
Free from void, gap or any defect.



9.6 Coating thickness measurement

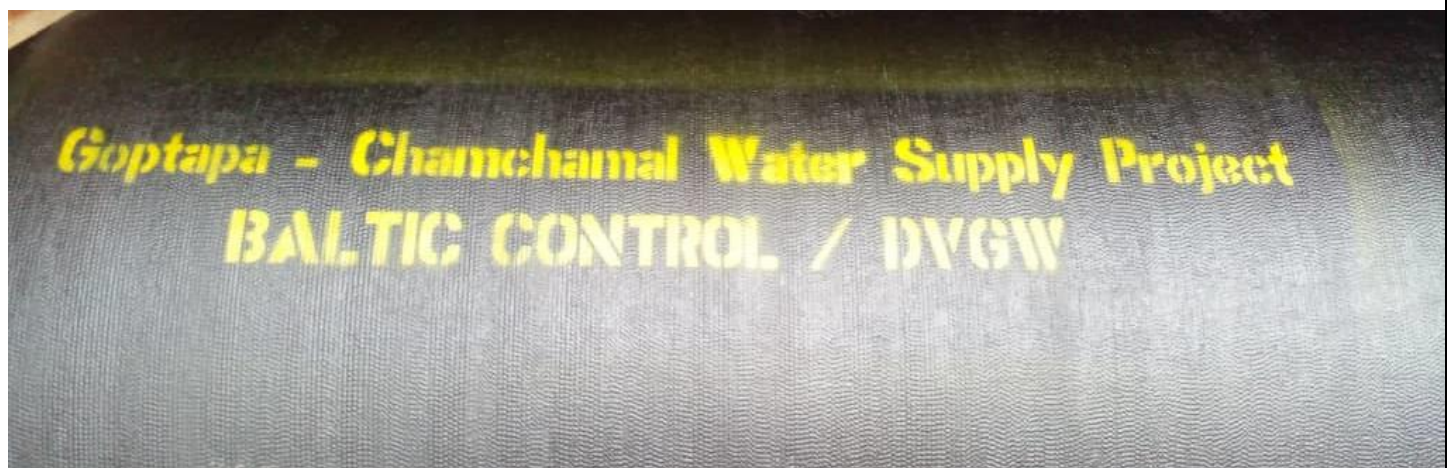
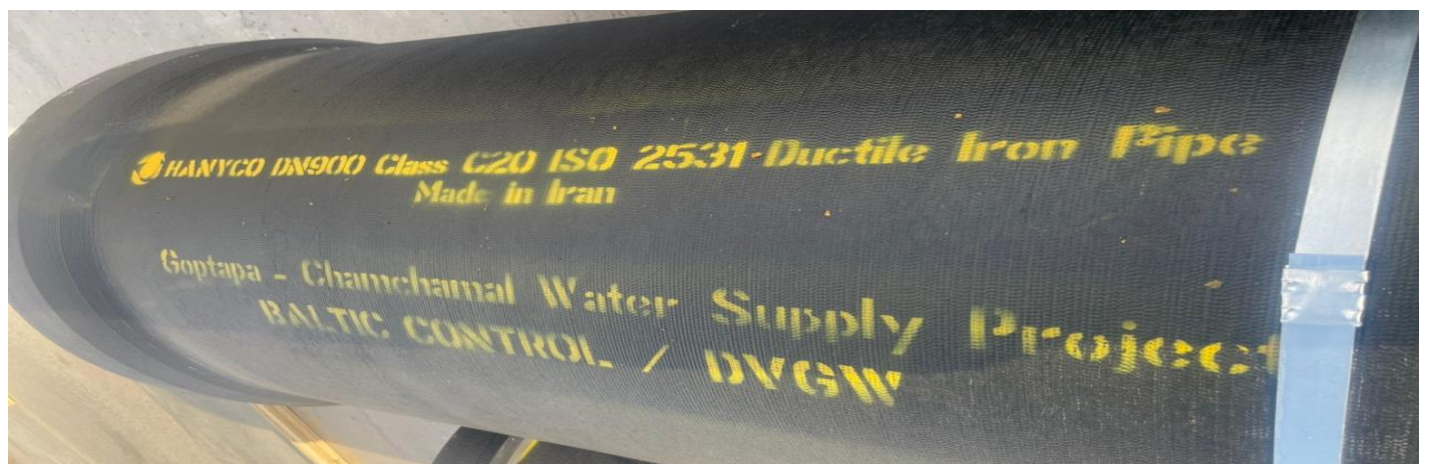
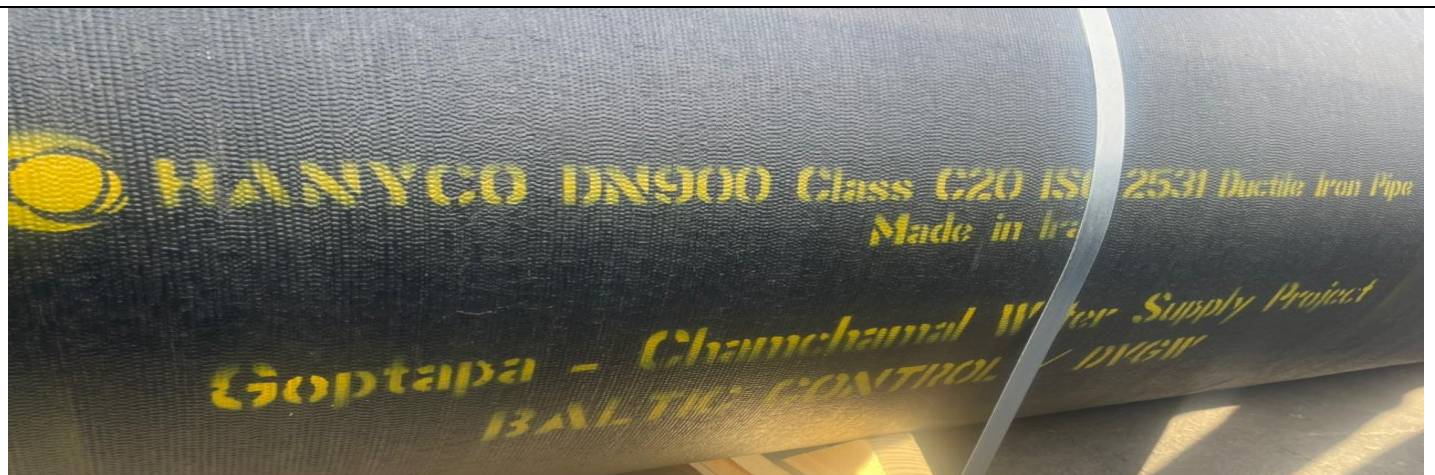
PIPE Number	DN	Lining		Coating		Visual appearance	Result
		Lining thickness (mm)	Appearance conditions Cement	Pipe Number	Bitumen thickness (micron)		pass
202590004890	900	7.3	Ok	202590004890	119	OK	pass
202590004959		6.8	Ok	202590002678	141	OK	pass
202590004922		6.5	Ok	202590002876	150	OK	pass
202590003833		6.8	Ok	202590004931	129	OK	pass
202590003913		6.4	Ok	202590003915	111	OK	pass
202590003910		6.5	Ok	202590003772	119	OK	pass
202590003544		6.5	Ok	202590003775	115	OK	pass
202590003508		6.6	Ok	202590003913	113	OK	pass
202590003770		6.4	Ok	202590003659	116	OK	pass
202590003775		6.5	Ok	202590003649	138	OK	pass
202590003668		6.7	Ok	202590003229	117	OK	pass
202590003226		6.5	Ok	202590003219	151	OK	pass
202590002532		6.7	Ok	202590002544	141	OK	pass
202590002530		6.8	Ok	202590002540	133	OK	pass
202590002234		6.4	Ok	202590002234	183	OK	pass

9.6 Coating & lining: Lining thickness result

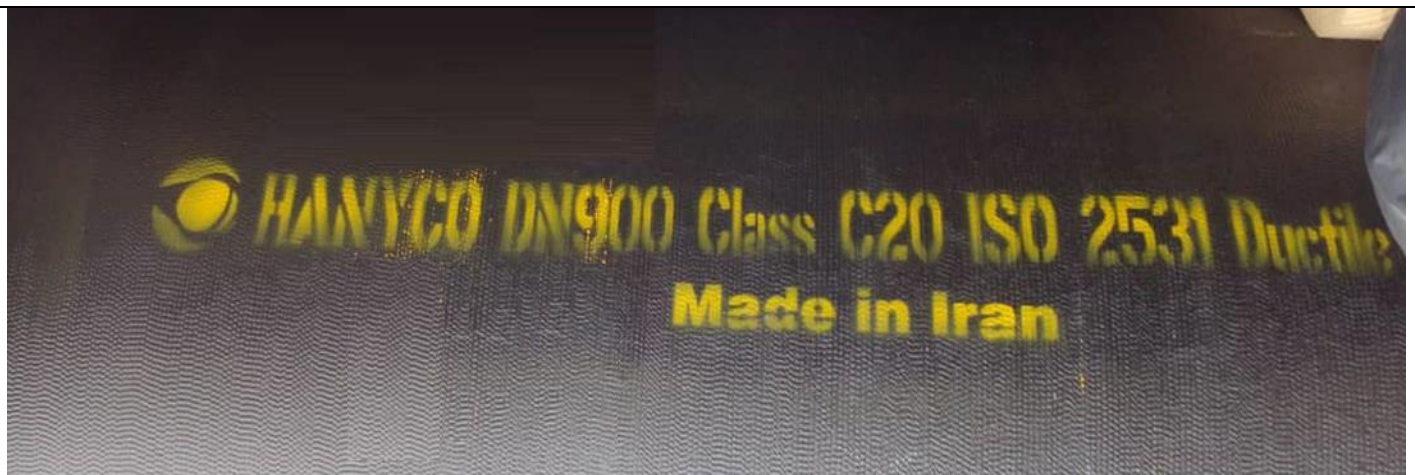




Baltic Control



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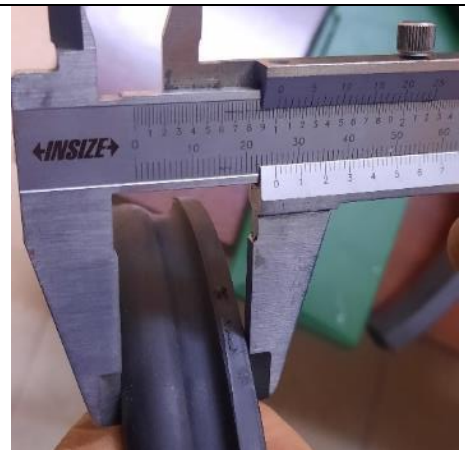
Marking durable on socket (as cast): HANYCO, DN (900), Year of production (2025), Ductile iron sign (GGG), Unique SN.

Marking legibly on body (painted): ISO 2531, Class (C20), Project Name (Goptapa - Chamchamal Water Supply Project), inspection mark (Baltic control).

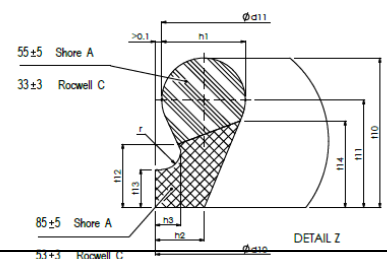
10. Marking on body & socket of pipes



Soft section Hardness= 55 hard section= 84



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Rubber Industry Engineering and Research Company Lab		TEST REPORT FORM Laboratory		Doc. No.: FR-TM-03 Revision: 13 Page: 1 of 9	
Client: Hamoun Nyzeh Co Add: Iran, Kashan city Tel: +98(031)55779 Email: factory@HamounGroup.com		Date of Request: 01-June-2026 Date of Test: 14-June-2026 Date of Report: 15-June-2026 Report No.: 130-10081		Sample Name: HABIKA DN900 Soft part (50) Sample Type: Rubber No. and Shape of Sample: 1 piece of latic (Black)	
Sample Image: (For information only)					



Rubber Industry Engineering and Research Company Lab		TEST REPORT FORM Laboratory		Doc. No.: FR-TM-03 Revision: 13 Page: 2 of 9							
Client: Hamoun Nyzeh Co Add: Iran, Kashan city Tel: +98(031)55779 Email: factory@HamounGroup.com		Date of Request: 01-June-2026 Date of Test: 14-June-2026 Date of Report: 15-June-2026 Report No.: TM-10081		Sample Name: HABIKA DN900-Soft part (50) Sample Type: Rubber No. and Shape of Sample: 1 piece of latic (Black)							
Lab. Ambient Condition: temp.: 23±2°C Humidity: 35±5%											
No.	Test	Test Method	Test Result	Unit	Acceptance Interval	Uncertainty	Compliance Probability (%)	Pass Report Rate (%)	Fail Report Rate (%)	Remark*	Explanation
1	Hardness	ISO 48	Mean: 53	IRHD	55±5	-	-	-	-	-	-
2	Tensile Strength	ISO 37	9.21	MPa	9≤	-	-	-	-	-	-
3	Elongation at break	ISO 37	Mean: 401	%	Min 375	-	-	-	-	-	-

Lab. Expert: _____ Lab. Manager: _____ Lab. Senior Manager: _____ Lab. Stamp: _____

1. Test results are valid only for given samples. 2. The original test report can be cited with an enclosed stamp and its copy has no legal value. 3. The re-issuance of the test report is issued only with the permission of the laboratory director. 4. The remaining samples are stored in the laboratory for a maximum of one month after the test. 5. Sampling is done by client.

* The following decision rules apply only to tests for which a statement of compliance with the specification or standard is provided by the customer:

- Pass - Results ± Expanded Uncertainty in Limits / Requirements (SPEC)
- Fail - Results ± Expanded Uncertainty out of Limits / Requirements (SPEC)
- Extended uncertainty is calculated with 95% confidence level and a coverage factor of k = 2.

Lab Add: Payhoosh BLV - west Hemmat highway-Tehran-Iran
Tel: +98(21)44787903
Website: www.balticcontrol.com

آنالیز جنس نمونه

شرح آزمایش

- پیرولیز و تهیه طیف IR مطابق استاندارد ASTM D 3677-10(23)

نتیجه آزمایش

- پایه پلیمری نمونه (Ethylene Propylene Diene Rubber) می باشد.

Important dimension						
DN	d10	h1	h2	h3	t13	result
900	1027	37.6	22	12	18.2	pass

All dimension acc to manufacturer technical drawing

DN	d10	Td	d11	h1 _{+0.5 -0.0}	h2 _{-0.3}	h3	t10	Td	t11	t12	t13	Td	t14	r
500	543	+0	561	25	14	6.5	42.5		30	18	9	+0.5 -0.3	24	3.5
600	632	+0	660	27	15	7	46.5		33	20	10		26	6
900	1026	+0	1020	37.5	22	12	66.2		47.5	28	18		37	9

11.1 ACCESSORIES: Gaskets Hardness and base analysis

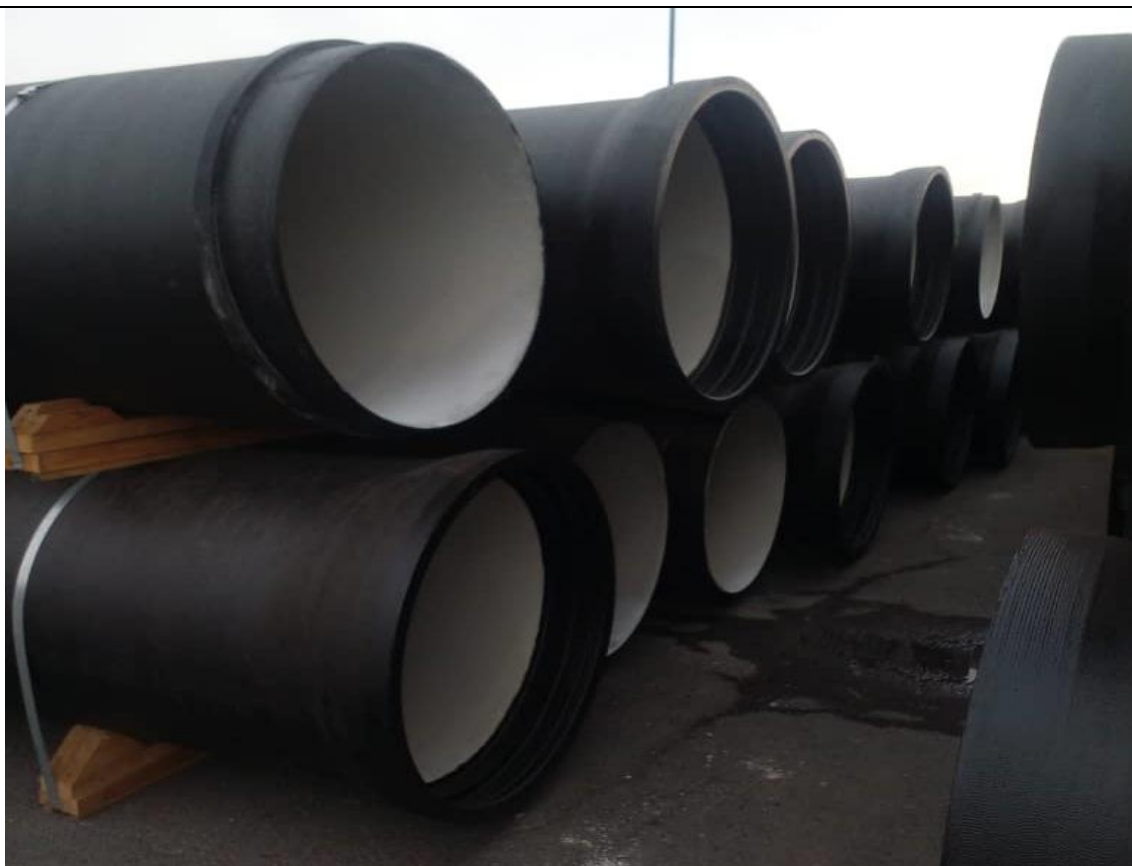
11.2 ACCESSORIES: Gaskets Dimension



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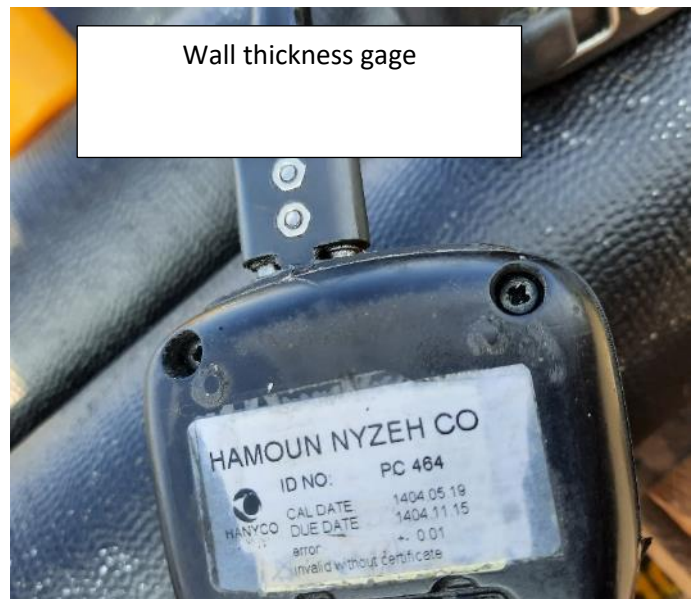
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12. Packaging

Coating thickness gage



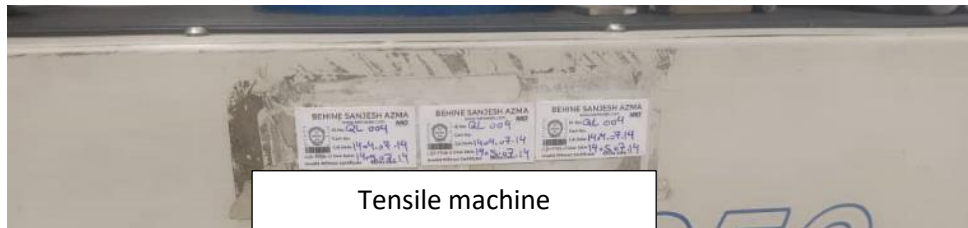
Wall thickness gage



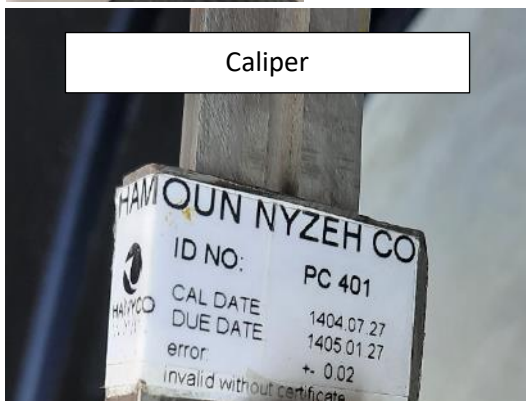
Optical microscope



Tensile machine



Caliper



Hardness machine



Load cell of lining



13. Calibration example; All certificate attached.

Inspector:

M.Balali

Stamp and Signature:
Mr. BALALI
Inspector
07.07.2025

Supervisor of Inspection:

F.Esmaeili

Stamp and Signature:

Project Manager

M.Hedayati

Stamp and Signature:

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