

Test Report

Report No.: E20191202022

Sample Name: PE 100 Water Pipe

Customer: Pipe Group of QC Department

Inspection Category: Sampling Inspection

Test Center of Jiangsu Haiwei Plastic
Technology Co., Ltd.



**Test Center of Jiangsu Haiwei Plastic
Technology Co., Ltd.**

Add: No. 3, Huanzhen North Road, Mazhen, Xu xiake Town, Jiangyin City, Jiangsu Province, China

Post code: 214400

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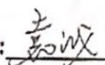
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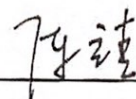
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Customer	Pipe Team of QC Department	Inspection Category	Sampling Inspection
Producer	Jiangsu Haiwei Plastic Technology Co., Ltd.	Trade Mark	Hai Wei
Production time	12th Dec.2019	Sample name	PE 100 Water Pipe
Specification	dn90 SDR17	Appearance	Black
Batch No.	/	Base sampling no.	/
Sample quantity	1.0m	Sample ID	E20191202022
Sampling site	Jiangyin Production Base	Sampling time	12th Dec.2019
Sampling department	Pipe Team of QC Department	Deliverer	Shi jian jun
Test Result	<p>The samples of the products referred to this report have been tested in accordance with the standard of ISO 4427:2007 "Plastics piping systems - Polyethylene (PE) pipes and fittings for water supply". The results meet the requirement in the standard.</p> <p style="text-align: right;">Seal of the test union Issuing date: 19th Dec.2019</p>		
Remarks	/		

Approved by:



Examined by:



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No.	Test Items	Requirements	Results	Judgment
1	Appearance	The internal and external surfaces of pipes shall be smooth, clean and free from scoring, cavities and other surface defects. The pipe ends shall be cut cleanly and square to the axis of the pipe.	Up to standard	Qualified
2	Dimensions, mm	$90.0 \leq dn \leq 90.9$	90.5	Qualified
		$e_{Max}: 6.3$	5.76	
		$e_{Min}: 5.4$	5.58	
		Ovality: ≤ 1.8	0.8	
3	compound density, kg/m ³	/	951	/
4	Elongation at break, %	≥ 350	576.39	Qualified
5	Hydrostatic strength	Circumferential stress 12.4MPa, 20°C, 100h No failure of any test piece during test period	No failure	Qualified
		Circumferential stress 5.5MPa, 80°C, 165h No failure of any test piece during test period	No failure	Qualified
6	Melt mass-flow rate (MFR), %	$\leq \pm 20$	3.9	Qualified
7	Oxidation induction time (OIT), 200°C, min	≥ 20	36.15	Qualified
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Remark		/		

Mainly Tested by

