



BUILDING RESEARCH INSTITUTE - NISI
CONFORMITY ASSESSMENT BODY FOR CONSTRUCTION PRODUCTS

Licence granted by Ministry of Development and Public Works (MRRB) № ПООСП 07 from 15.09.2016

Registration number 07 from the register of MRRB

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**CERTIFICATE
OF CONFORMITY**

No 07-HYPBCIICTB-25.6



Issued according to Article 14, paragraph 1 and/or 2 of the Ordinance No ПД-02-20-1/05.02.2015 on the terms and conditions for use of construction products in the construction of the Republic of Bulgaria (HYPBCIICTB) of the Ministry of Regional Development and Public Works for

**PLASTIC HIGH DENSITY POLYETHYLENE (PE-HD) PE 80, PE 100 PIPES,
FOR TRANSPORT OF WATER INTENDED FOR HUMAN CONSUMPTION,
TRANSPORT OF UNTREATED WATER, PRESSURE SEWERAGE AND DRAINAGE
AND WATER FOR OTHER PURPOSES
trademark PLASTEC**

Dimension groups: 1) $d_n < 75\text{mm}$; 2) $75 \leq d_n < 250\text{ mm}$; 3) $250 \leq d_n < 710\text{ mm}$

**Pipe range, working pressure and dimensions according to Annex 1 of this certificate
and declared characteristics according to Annex II of this certificate**

placed on the market by

PLASTEC OOD

14 Woodrow Wilson Str., Plovdiv, Bulgaria

and produced at

the factory of **PLASTEC OOD**

14 Woodrow Wilson Str., Plovdiv, Bulgaria

This certificate attests that the products have been assessed according to
BDS EN 12201-1:2024; BDS EN 12201-2:2024

and they meet the national requirements set out in

Order No ПД-02-14-1329/ 03.12.2015

of the Minister of Regional Development and Public Works, Item 6 and 7 of Annex 2 to Clause 2.

This certificate is first issued on 30th August 2025 and will remain valid to 29th August 2028 provided that the manufacturer ensures the consistency of characteristics of the products and that the conditions of the production and production control are not significantly modified.

Head of the CAB

Res.Ass. Eng.Victoria Vassileva PhD

General Manager of NISI Ltd

Maya Koseva



Sofia, 30th August 2025

This Certificate includes two annexes of a total 2 pages which are an integral part of it.



PIPE RANGE, WORKING PRESSURE and DIMENSIONS

of high density polyethylene (PE-HD) PE80, PE100 for transport of water intended for human consumption, transport of untreated water, pressure sewerage and drainage, vacuum sewerage systems and water for other purposes

produced by **PLASTEC OOD**, included in the scope of the certificate,

Pipe range	Pipes		PN (bar)	Nominal dimension (mm)
	SDR	S		
Pipes of PE-HD (PE 80)	41	20	3.2	315, 355, 400, 450, 500, 560, 630
	33	16	4	315, 355, 400, 450, 500, 560, 630
	26	12.5	5	50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630
	21	10	6	32, 40, 50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630
	17	8	8	32, 40, 50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630
	13.6	6.3	10	25, 32, 40, 50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630
	11	5	12.5	20, 25, 32, 40, 50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630
	9	4	16	16, 20, 25, 32, 40, 50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630
	7.4	3.2	20	16, 20, 25, 32, 40, 50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450
	6	2.5	25	16, 20, 25, 32, 40, 50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355
Pipes of PE-HD (PE 100)	41	20	4	315, 355, 400, 450, 500, 560, 630
	33	16	5	315, 355, 400, 450, 500, 560, 630
	26	12.5	6	50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630
	21	10	8	40, 50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630
	17	8	10	16, 20, 25, 32, 40, 50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630
	13.6	6.3	12.5	25, 32, 40, 50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630
	11	5	16	16, 20, 25, 32, 40, 50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630
	9	4	20	16, 20, 25, 32, 40, 50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450, 500, 560, 630
	7.4	3.2	25	16, 20, 25, 32, 40, 50, 63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315, 355, 400, 450

continued



DECLARED PERFORMANCE

of high density polyethylene (PE-HD) PE80, PE 100 pipes, trademark PLASTEC
for transport of water intended for human consumption, transport of untreated water,
pressure sewerage and drainage and water for other purposes,
produced by PLASTEC OOD, included in the scope of the certificate,
according to BDS EN 12201-2:2011+A1:2013/NA:2014

Characteristic	Test method	Performance		
		Dimension group 1 $d_n < 75$ mm	Dimension group 2 $75 \leq d_n < 250$ mm	Dimension group 3 $250 \leq d_n < 710$ mm
Hygiene requirements (release of dangerous substances) of pipes intended to supply water for human consumption	Ordinance No 9/ 16.03.2001 on water quality for drinking water purposes	Comply of BDS EN ISO 8795 Conformity test of material and pipes	Comply of BDS EN ISO 8795 Conformity test of material and pipes	Comply of BDS EN ISO 8795 Conformity test of material and pipes
Appearance, color	No	Black, black with blue stripes (water) or with brown stripes (sewerage)	Black, black with blue stripes (water) or with brown stripes (sewerage)	Black, black with blue stripes (water) or with brown stripes (sewerage)
Geometrical characteristics, mm	BDS EN ISO 3126	Conform to the threshold levels, according to Tables 1 and 2 of BDS EN 12201-2	Conform to the threshold levels, according to Tables 1 and 2 of BDS EN 12201-2	Conform to the threshold levels, according to Tables 1 and 2 of BDS EN 12201-2
Hydrostatic strength (80°C, 165 hours)	BDS EN ISO 1167-1 BDS EN ISO 1167-2	No failure	No failure	No failure
Elongation at break, %	BDS EN ISO 6259-1 BDS EN ISO 6259-3	≥ 350	≥ 350	≥ 350
Oxidation induction time (thermal stability), min	BDS EN ISO 11357-6	> 20	> 20	> 20
Melt mass-flow rate, by mass g/10 min	BDS EN ISO 1133-1	$\pm 20\%$ deviation from the measured values of the raw material batch and the pipe	$\pm 20\%$ deviation from the measured values of the raw material batch and the pipe	$\pm 20\%$ deviation from the measured values of the raw material batch and the pipe
Reaction to fire*	BDS EN 13501-1	NPD	NPD	NPD

* The characteristic is required for pipes for industrial sewerage systems for disposal of waste water, containing flammable or combustible liquids

Head of the CAB

Res. Assoc. Eng. Victoria Vassileva Ph.D.

General Manager of NISI Ltd

Maya Koseva

