

CERTIFICATE OF CONFORMITY**23 – HYPBCIIICPБ – PL – 022 – 22**

Issued pursuant to Art. 14, par.1 and/or par.2 of Ordinance № RD-02-20-1 from 05.02.2015 on the terms and the conditions for the use of construction products in the construction works of the Republic of Bulgaria of the Ministry of Regional Development and Public Works for the construction product

**Fittings from polyethylene (PE100 RC)
Trademark “FOX”**

Designed for supply of gaseous fuels with dimensions, working pressure, connection method and evaluated characteristics in accordance with Annex № 1 to this Certificate

Released on the market by:

**“PIPELIFE BULGARIA“ EOOD
3 Industrialna Street, Botevgrad, Bulgaria**

Produced in:

**FOX FITTINGS Sp. Z o.o. Sp. k
43-330 Wilamowice, Więźniów Oświęcimia 50, Poland**

This Certificate certifies that the product's characteristics have been evaluated according to

**BDS EN 1555-3:2010 + A1:2012
BDS EN 1555-3:2010 + A1:2012/ NA:2016**

and conform to the national requirements, defined in
*point 21 from Annex № 2 to item 2 of Order № ПД-02-14-1329 from 03.12.2015 of the Minister of
the Regional Development and Public Works,
amended and supplemented by Order № 02-14-590 from 05.07.2017*

The Certificate was issued for the first time on **11.04.2022** and remains valid until **10.04.2025**, provided that the producer ensures consistency of product characteristics and the conditions of production or production control have not been changed significantly.

**Place of issuance: Sofia
Date: 11.04.2022**

**CEO:
(Dipl. Ing. Alexander Marinchev)**

This certificate includes 1 Annex of 2 pages, which is an integral part of the same.

Annex №1
to Certificate of conformity № 23 – НУРВСПСРБ – PL – 022 – 22
issued on 11.04.2022 and valid until 10.04.2025
1. Dimensions and working pressure

№	Product	SDR	PN, bar	DN/ Nominal diameter, mm
1	2	3	4	5
1. Electrofusion fittings				
1.	Coupler	11 17	10 5	20 ÷ 500 110 ÷ 500
2.	End cap	11	10	20 ÷ 315
3.	Reducer	11	10	25/20 ÷ 225/200
4.	Tee	11	10	20 ÷ 180
5.	Reduced EF tee	11	10	25/20 ÷ 160/125
6.	Elbow 90°	11	10	20 ÷ 160
7.	Elbow 45°	11	10	20 ÷ 160
8.	Tapping tee	11	10	40/20 ÷ 315/63
9.	Tapping valve	11	10	63/32 ÷ 250/63
10.	Branch saddle	11	10	63/32 ÷ 315/110
11.	Branch saddle universal	11	10	355-560/63 ÷ 630-900/110
12.	Repairing clamp with bilateral heating zone	11	10	63 ÷ 315
2. Transition fittings – PE/ Brass				
13.	Brass transition – male thread	11	10	20 x 1/2" ÷ 20 x 1/2"
14.	Brass transition – female thread	11	10	25 x 3/4" ÷ 125 x 4"

2. Evaluated characteristics in accordance with the national requirements

Characteristic	Declaration requirement
Appearance	smooth and clean surface, without cracks and surface pores According to EN 1555-3:2010 + A1:2012, item 5.1
Colour	black colour According to BDS EN 1555-3:2010 + A1:2012, item 5.2
Geometrical characteristics, mm	According to BDS EN 1555-3:2010 + A1:2012 Tables 1 and 3
Hydrostatic strength (80 °C-165 h)	≥ 165h without damage According to BDS EN 1555-3:2010 + A1:2012 item 7, Table 4

Melt mass-flow rate (MFR), 190 °C/ 5 kg/ 10 min	Maximum deviation ± 20 % between the measured value MFR of the raw material and the fitting According to BDS EN 1555-3:2010 + A1:2012 Table 7
Decohesive resistance for electrofusion socket fittings	Length of initiation rupture $\leq L_2/ 3$ in brittle failure According to BDS EN 1555-3:2010 + A1:2012
Elasticity for electrofusion saddle fittings	$L_d \leq 50$ % and $A_d \leq 25$ %, brittle failure According to BDS EN 1555-3:2010 + A1:2012

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(Dipl. Ing. Alexander Marinchev)