



BULGARKONTROLA

BULGARKONTROLA SA -Sofia

Conformity Assessment Body for Construction Products

With identification number 14 and Permit № ПССП-14 on 15.09.2016

Issued by Ministry of Regional Development and Public Works

CERTIFICATE OF CONFORMITY

14 – НУРВСПРСБ – 3999

Issued pursuant to Art. 14, par.1 and par.2 of the Regulation № РД-02-20-1 on 05.02.2015 on the terms and conditions for use of construction products in the construction of the Republic of Bulgaria on Ministry of Regional Development and Public Works for the **construction product**

PIPES MADE OF POLYPROPYLENE (PP-R, PP-RCT)
trademark "+GF+"

Are designed for construction of building installations for hot and cold drinking water supply, with product range, operating pressure, dimensions and evaluated characteristics in accordance with national requirements as per Supplement № 1 to this Certificate.

placed on the market by

GEORG FISCHER HAKAN PLASTIC A.S.

Organize Sanayi Bölgesi Gaziosmanpaşa Mah.3 Cad. No 11-13 ,59500 Çerkezköy TEKİRDAĞ - Turkey

manufactured by **GEORG FISCHER HAKAN PLASTIC A.S.**

Organize Sanayi Bölgesi Gaziosmanpaşa Mah.3 Cad. No 11-13 ,59500 Çerkezköy TEKİRDAĞ - Turkey

This certificate certifies that the product has been evaluated and meets national requirements set out in

BDS EN ISO 15874-2:2013

BDS EN ISO 15874-2:2013/A1:2018

BDS EN ISO 15874-2:2013/A2:2022

BDS EN ISO 15874-2:2013/NA:2024

*and item 16 of Annex 2 to item 2 of Order № 02-14-1329 from 03.12.2015,
of the Minister of Regional Development and Public Works*

The Certificate was issued on **14/06/2024**, cancel the Certificate **14-НУРВСПРСБ-3564** from **22/06/2021** and remains valid for three years until **13/06/2027**, provided that the manufacturer ensures consistency of product characteristics and the conditions of production or production control have not been changed significantly.

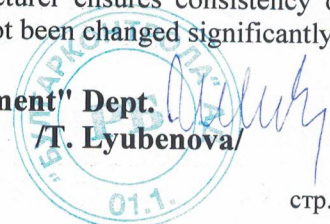
Place: Sofia

Date: 14/06/2024

Director of "Conformity Assessment" Dept.

/T. Lyubenova/

FC/CPNR -7-3.9/02



стр. 1/2



1. Product range, dimensions, and operating pressure

Product range	DN (mm)	PN (bar)	SDR
1. Pipes made of PP-RC (polypropylene random copolymer)	20 ÷ 200	10 16 20	11 7,4 6
2. Pipes made of PP-RCT (polypropylene random copolymer with special crystalline structure)	20 ÷ 200	10 16 20	11 7,4 6

2. Evaluated characteristics in accordance with national requirements

Characteristics	Requirement to declare / border level
Appearance	Smooth and clean surface without pores, According to item 5.1. of BDS EN ISO 15874-2:2013 BDS EN ISO 15874-2:2013/ NA:2024
Colour	white, green, grey
Geometrical characteristics, mm	Group 1: $16 \leq dn \leq 63$ mm Group 2: $63 < dn \leq 160$ mm Group 3: $dn > 160$ mm According to item 6.2, table 5,9 BDS EN ISO 15874-2:2013, BDS EN ISO 15874-2:2013/A1:2018 BDS EN ISO 15874-2:2013/ NA:2024
Hydrostatic strength, (20 °C/1 h , 95 °C/165 h)	no leaks and punctures over 1 h and 165 h According to item 7, table10 BDS EN ISO 15874-2:2013 BDS EN ISO 15874-2:2013/ NA:2024
Longitudinal revision, %	≤ 2 % without damage, according to item 8, table13 BDS EN ISO 15874-2:2013, BDS EN ISO 15874-2:2013/A2:2022 BDS EN ISO 15874-2:2013/ NA:2024
Melt mass - flow rate (MFR), g/10min 230 °C/ 2,16 kg/10min	± 30 % between MFR the raw material and the pipe According to item 8, table13 BDS EN ISO 15874-2:2013, BDS EN ISO 15874-2:2013/A2:2022 BDS EN ISO 15874-2:2013/ NA:2024
Impact resistance-Charpy method,% for pipes DN ≤ 25 mm	≤ 10 % breaking samples, according to item 7.2, table 11 BDS EN ISO 15874-2:2013, BDS EN ISO 15874-2:2013/A2:2022 BDS EN ISO 15874-2:2013/ NA:2024
Impact resistance- round - the clock method for pipes DN ≥ 32 mm	TIR ≤ 10 % , according to item 7.2, table 11 BDS EN ISO 15874-2:2013, BDS EN ISO 15874-2:2013/A2:2022 BDS EN ISO 15874-2:2013/ NA:2024

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