

## **DECLARATION OF PERFORMANCE**

**12345076041- ZGP-23/0004-18**

1. unique product identification:

**Silverline – PP-R – pressure piping system for cold and hot water installations**

2. Type of construction products:

**Silverline PP-R; DN/OD 20 do 110 mm; PN 10, 16, 20, 25; S 5 / S 3,2 / S 2,5 / S 2**

**SDR: 6 / 7,4 / 9 .**

3. Intended use:

**Plastic piping system for pressure water distribution.**

4. Name and address of manufacturer:

**VARGON d.o.o., Kukuljanovo 352, 51227 KUKULJANOVO – HR**

5. Naziv i kontaktna adresa ovlaštenog predstavnika:

**None.**

6. Sustavi ocjenjivanja

**System 1+ for non-harmonized standards HRN EN ISO 15874-1, HRN EN ISO 15874-2, HRN EN ISO 15874-3, HRN EN ISO 15874-5.**

7. Assessment of product performance in a non-harmonised area:

**Statement of properties: 16/12-ZGP-624 rev 3, ZIK, Božidarevićeva 13, 10000 Zagreb – HR, according to norms : HRN EN 15874-1, HRN EN 15874-2, HRN EN 15874-3, HRN EN 15874-5, izdan 24.10.2019.**

8. Assessment of the performance for which the European Technical Assessment has been issued:

**None.**

## 9. Product properties:

### Technical specifications (non – harmonized standard) HRN EN ISO 15874-1, HRN EN ISO 15874-2, HRN EN ISO 15874-3:

| Essential characteristic          | Properties                                                       | Tehnickal specifications                                    |
|-----------------------------------|------------------------------------------------------------------|-------------------------------------------------------------|
| Material                          | PP-R                                                             | HRN EN ISO 15874-1, HRN EN ISO 15874-2, HRN EN ISO 15874-3  |
| Nominal diameter                  | DN/OD 16 – 160 mm                                                | HRN EN ISO 15874-2, HRN EN ISO 15874-3                      |
| SDR / PN                          | S 5; S3,2; S2,5; S2 / PN 10, 16, 20, 25 bara                     | HRN EN ISO 15874-2, HRN EN ISO 15874-3                      |
| Wall thickness                    | In accordance with the specifications                            | HRN EN ISO 15874-2, HRN EN ISO 15874-3                      |
| Ovality                           | In accordance with the specifications                            | HRN EN ISO 15874-2, HRN EN ISO 15874-3                      |
| Apperance                         | In accordance with the specifications                            | HRN EN ISO 15874-2, HRN EN ISO 15874-3                      |
| Color                             | Gray                                                             | HRN EN ISO 15874-2, HRN EN ISO 15874-3                      |
| Dimensional stability             | + ≤ 2 %                                                          | HRN EN ISO 15874-2, HRN EN ISO 15874-3, HRN EN ISO 2505     |
| MFR value                         | MFR≤0,5 g/10 min (2,16 kg 230°C)                                 | HRN EN ISO 15874-2, HRN EN ISO 15874-3, HRNE NE ISO 1133-1  |
| Change of MFR after produced pipe | +/- 30 %                                                         | HRN EN ISO 15874-2, HRN EN ISO 15874-3                      |
| Impact resistance at 0°C          | TIR ≤ 10%                                                        | HRN EN ISO 15874-2, HRN EN ISO 9854-1,2                     |
| Inner pressure resistance         | 165 h whitout breaking at 95°C<br>PP-R : 3,8 Mpa,<br>No breaking | HRN EN ISO 15874-2, HRN EN ISO 15874-3, HRN EN ISO 1167-1,2 |
| Hygienic safety                   | In accordance with the specification                             | Croatian public health institute (NN 125/2009, NN 56/2013)  |

10. The product performance determined in points 1 and 2 is in accordance with the declared performance in point 9.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 4.

NOTE: When the Silverline pipe system is installed correctly, Vargon d.o.o. provides a 50-year warranty.

For the manufacturer and on his behalf signed:.

**Denis Blašković, Plant Manager**



9.06.2025., Kukuljanovo