

NATIONAL DECLARATION OF FUNCTIONAL PROPERTIES

NO. PE/G-K

1. Trade name of a building product: **Polyethylene (PE) butt fittings - flange bushings, centric reducers, plugs.**
2. Marking/label of the building product: **ZINPLAST, nominal diameter: 50 - 630, measurement interval SDR 11 -17**
3. Intended use or applications: **The products are intended to be applied in pipes systems made from the polyethylene (PE), intended to deliver gas fuels.**
4. Name and address of a manufacturer/production site: **ZINPLAST Sp. z o. o. - ul. Garbarska 41, 32340 Wolbrom**
5. Name and address of the registered office of the representative, if applicable: **Not applicable**
6. Domestic system of verification and assessment of usable (functional) properties: **3**
7. Domestic technical specification:

7a. Polish standard for the product: **PN-EN 1555-3+A1:2013-05 Systems of pipes made from plastics, intended to deliver gas fuels. Polyethylene (PE). Part 3: Fittings**

Name of the accredited certification body, the accreditation number and national certificate number or the name of the accredited laboratory(s) and the accreditation number: **Instytut Nafty i Gazu w Krakowie (Oil and Gas Institute in Kraków) Conformity with the standard PN-EN 1555-3+A1:2013-05 no. 3/17 (PE 80, PE 100)**

7b. Domestic technical assessment: **not applicable**

Technical Assessment Body/National Technical Assessment Body: **not applicable**

Name of the accredited certification body, the accreditation number and certificate number : **not applicable**

8. Declared usable (functional) properties:

Basic characteristics of the building product for intended use.	Declared usable (functional) properties	Remarks (referential documents)
Assortment	PE80, PE 100, PE 100 RC	-
External appearance	Smooth areas, clean, no defects	-
Color	Black	-
Geometric properties	Diameters range: dn 16630 mm, SDR 7.4, SDR 41	-
Flow speed index (MFR)	0,2-1,4 g/10min	-
Hydrostatic strength	20°C/100h, 80°C/165h, 80°C/1000h - no cracks	-
Elongation at break	≥350 %	-
Tensile strength of the butt weld	Plastic crack	-

9. The performance of the product referred to above shall be in accordance with all the declared performance characteristics listed in point 8. This national declaration of performance is issued in accordance with the Act of 16 April 2004 on Construction Products under the sole responsibility of the manufacturer. **In the name of the manufacturer:**

Bartosz Stempel,

Head of the Quality Assurance Department Wolbrom, 01.07.2019