



ZINPLAST ZINOPLAST Sp. z o.o.
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DOMESTIC DECLARATION OF FUNCTIONAL PROPERTIES NO. PE/G/2017

1. Trade name of a building product: **Polyethylene pipes intended to distribute gas fuels**
2. Marking/label of the building product: **ZINPLAST-G**
3. Intended use of the building product: **The products are intended to be applied in pipes systems made from the polyethylene (PE), intended to deliver gas fuels.**
4. Manufacturer: **„ZINPLAST" Sp. z o. o. - ul. Garbarska 41, 32-340 Wolbrom**
5. Authorized representative: **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 1555-2:2012 „Systems of pipes made from plastics, intended to deliver gas fuels. Polyethylene (PE). Part 2: Pipes.**
 - 7b. Domestic technical assessment: **Instytut Nafty i Gazu w Krakowie; Certificate of Conformity acc. to the Polish Standard PN-EN 1555-2:2012 no. 4/17**
8. Declared usable (functional) properties:

| Basic characteristics of the building product for intended use. | Declared usable (functional) properties | Remarks (referential documents) |
|---|--|---|
| Raw material: | Polyethylene PE80 and PE100, PE100RC, PE100/PE100RC | PN-EN 1555-2:2012; item 4 PN-EN 1555-1;2012 |
| General properties | External appearance - smooth areas, clean, no defects Color - black, with yellow strips (PE80) or yellow one, black with orange strips of orange | PN-EN 1555-2:2012; item 5.1, item 5.2 |
| Geometric properties | Diameters range: dn 16-630 mm, SDR 11, SDR 17, SDR 17,6 | PN-EN 1555-2:2012; item 6 tab. 1, 2 and 3 |
| Mechanical properties | Hydrostatic strength, elongation at break, slow growth of cracks, quick propagation of cracks | PN-EN 1555-2:2012 item 7, table 4 |
| Physical properties | Oxidization induction time melt flow index, longitudinal shrinkage | PN-EN 1555-2:2012 item 7, table 6 |
| Usefulness requirements | Connections | PN-EN 1555-2:2012 item 9 |

9. Functional properties of the product in question meet the requirements.

Wolbrom on 14.7.2017

Magdalena Krawczuk

INDEPENDENT PROXY