



ZINPLAST Sp. z o.o
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System
zarządzania
ISO 9001:2

www.tuv.com
ID 910501868

NATIONAL DECLARATION OF FUNCTIONAL PROPERTIES NO. PE/PD

1. Trade name of a building product: **Pipes and fittings with structural walls ZBP-ZIN type A and ZIKOR type B**
 2. Marking/label of the building product: **ZINPLAST, internal diameter range from 200 mm - 3000 mm, SN 1 -16**
 3. Intended use or applications: **Pipes and fittings ZIP-ZIN type A and ZIKOR type B are intended for communication systems in the following areas: protection of other pipes and wires, telecommunication, power and traffic lights cables, erection of road and railway culverts with internal diameters of up to 2.0 m, erection of passages for small animals, erection of draining off, drainage and combined systems, renovation of existing systems.**
 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: **4**
 7. Domestic technical specification:
 - 7a. Polish standard for the product: **not applicable**
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: **not applicable**
 - 7b. Domestic technical assessment: **IBDiM-KOT-2017/0102 rev. 1 ZINPLAST Polyethylene (PE) and polypropylene (PP) pipes and fittings for road culverts and drainage and for cable protection**
- Technical Assessment Body/National Technical Assessment Body: **IBDiM.**
Name of the accredited certification body, the accreditation number and certificate number: **not applicable**

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|--|--|---|
| - SN8 - SN 10 - SN 12,5 - SN16 | ≥ 8 ≥ 10 $\geq 12,5$ ≥ 16 | |
| Changes due to heating of pipes in the air : (150±2)°C for PP (110±2)°C for PE (test parameters according to PN-EN 13476-3) | No delamination, cracks or blisters | - |
| Minimum tensile strength of PE pipe joints with structural walls 300≤DN≤350 mm 400≤DN≤500 mm 500≤DN≤700 mm DN≥700 mm | No damages up to 380 N 510 N 760 N 1020 N | - |
| Tightness of connections (test parameters according to PN-EN 13476-3) | No damage or leaks during and after the test - pressure change max 10% | - |
| Electrical strength of pipes and fitting insulation at 2000V test voltage, 50 60 Hz sinusoidal frequency | No puncture | - |
| Resistance of pipes and fittings insulation | $\geq 100 M\Omega$ | - |
| Pipe creep index | ≥ 4.0 | - |
| Tightness of connections (test parameters according to PN-EN 13476-3) | No damage or leaks during and after the test - pressure change max 10% | - |

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, 27.05.2019