



**IWS**INNOVATIVE  
WATER  
SYSTEMS

## DECLARATION OF CONFORMITY NO 2019/3M

- Producer:** Innovative Water Systems Ltd,  
Aruküla tee 65, Jüri 75301, Harjumaa, Estonia
- Standard:** Factory standard 1778 underground tanks
- Product name:** PE STRONG UNDERGROUND TANKS
- Product material:** Polyethylene (HDPE)
- Nominal diameter:** ID1000, 1200, 1400, 1600, 2000, 2200, 2400 mm
- Ring stiffness class:** SN2 (2 kN/m<sup>2</sup>); SN4 (4 kN/m<sup>2</sup>); SN8 (8 kN/m<sup>2</sup>)  
Ring stiffness test according to standard EVS-EN ISO 9969  
Thermoplastics pipes – Determination of ring stiffness
- Area of usage:** Collection of wastewater, rainwater, firewater and drinkingwater. Also storage of various chemicals in accordance with polyethylene chemical resistance
- Special conditions:** Installation according to pumping station installation guidelines or project issued by project designer. Lowest installation temperature up to -15 °C

Characteristic	Unit	Value	Standard
Density	kg/m <sup>3</sup>	>950	ISO 1183
Elastic modulus (short-term)	MPa	900 - 1000	ISO 527
Tensile strength	MPa	≥24	ISO 527
Thermal expansion factor	mm/m°C	0,18	
Ring stiffness	kN/m <sup>2</sup>	2 - 16	ISO 9969
Thermal conductivity	W/m°C	~0,40	
Temperature endurance	°C	max +45	long-term
Temperature endurance	°C	max +80	short-term



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**IWS STRONG**

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