

DECLARATION OF CONFORMITY NO 2020/4K

Producer: Innovative Water Systems Ltd,
Aruküla tee 65, Jüri 75301, Harjumaa, Estonia

Standard: EN 13598-2:2020

Product name: PE STRONG manholes: sewerage manholes, air extraction wells,
watermeter wells, valve chambers, hydrant wells

Product material: Polyethylene (HDPE)

Nominal diameter: ID 360, 520, 600, 700, 800, 1000, 1200, 1250, 1400, 1500, 1600, 2000, 2400 mm

Ring stiffness class: SN2 (2 kN/m²) ja SN4 (4 kN/m²)
Ring stiffness test according to standard EVS-EN ISO 9969
Thermoplastics pipes – Determination of ring stiffness

Area of usage: Gravity flow and pressure sewerage, watersupply

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 ³	>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 ²	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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