

## RDZ TECH PE-XA PIPE INTERIOR LAYER Ø 25 mm



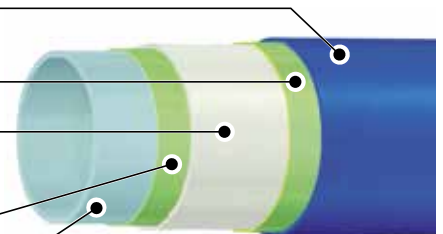
RDZ Tech Pe-Xa pipe Ø 25-20.4 made of high-density polyethylene with type-A cross-linking. The oxygen barrier lies between the Pe-x layer and an outer layer made of PE, which ensures further protection during installation in the building site. The layers are combined thanks to a special glue. This pipe is produced according to DIN 16892 and DIN 4726. This solution offers even and stable cross-links and constant characteristics over time.



Diameter (mm)	Roll (m)	Code
25	200	1013920
25	600	1013900

### Stratigraphy

- 1- PE protective layer
- 2- Second adhesive polymeric layer for non-polarized combination
- 3- Oxygen barrier
- 4- First adhesive polymeric layer for non-polarized combination
- 5- PE-Xa pipe wall



Application field	CLASS 4	For use with hot and cold water ( $T_{max}$ 70 °C)
	CLASS 5	For use with hot and cold water ( $T_{max}$ 90 °C)

Outside diam. (mm)	Thickness (mm)	Weight (g/m)	CLASS 4 (bar)	CLASS 5 (bar)	Water content (l/m)
25	2.3	174	8	6	0.326

Feature	Value	Unit	Reference law
Standard			DIN 16892 / DIN 4726
Density	938	Kg/m <sup>3</sup>	DIN 53455
Degree of crosslinking	≥ 70	%	ISO 10147
Ultimate Tensile Stress at 20 °C	> 19	N / mm <sup>2</sup>	DIN 53455
Ultimate elongation at 20 °C	> 400	%	ISO 6259
Thermal conductivity	0.40	W / (m · K)	DIN 52612
Permeability to oxygen	≤ 0.32	mg O <sub>2</sub> / (m <sup>2</sup> · d)	DIN 4726
Thermal expansion coefficient at 70 °C	1.8 · 10 <sup>-4</sup>	K <sup>-1</sup>	DIN 52328
Softening temperature	> 130	°C	DIN 53460
Maximum ovality	1.2	mm	
Roughness factor	0.0005		

