

RDZ TECH PE-XC PIPE INTERIOR LAYER Ø 20 mm



RDZ Tech pipe Ø 20 made of high-density electro-physically cross-linked polyethylene with the anti-oxygen barrier between the Pe-xc layer and an outside 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 EN ISO 15875 and DIN 4726, guaranteeing even and stable cross-links and constant characteristics over time.



Diameter (mm)	Roll (m)	Code
20	240	1012240
20	600	1012600

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)
20	2	120	8	6	0.20

Feature	Value	Unit	Reference law
Standard			DIN EN ISO 15875 / DIN 4726
Density	0.945	g/cm ³	ISO 1183
Degree of crosslinking	≥ 60	%	
Ultimate Tensile Stress at 20 °C	24-26	N / mm ²	UNI EN ISO 527-2 / EN 60811-1
Ultimate elongation at 20 °C	400 ÷ 600	%	DIN EN ISO 6259-1 / EN 60811-1
Thermal conductivity	0.41	W / (m · K)	DIN 52612
Permeability to oxygen	≤ 0.32	mg O ₂ / (m ² · d)	DIN 4726
Thermal expansion coefficient at 20 °C	1.5 · 10 ⁻⁴	m / (m · K)	
Softening temperature	> 130	°C	
Maximum ovality	1.2	mm	
Roughness factor	0.0015		

