

## TECHNICAL SHEET



This polybutylene (PB) pipe is provided with anti-oxygen barrier according to DIN 4726 EN 12319-2, Ø 20 mm, and it is covered with a polyethylene insulating pipe sleeve, thickness 6 mm. Fire reaction degree: BL - s1,d0. It is used to connect distributors with b!klimax manifolds.



Code	Package	Size
6200020	Red roll (50 m)	Ø mm x 50 m
6201020	Blue roll (50 m)	Ø20 mm x 50 m

Application field	CLASS 4	For use with hot and cold water (T <sub>max</sub> 60 °C)
	CLASS 5	For use with hot and cold water (T <sub>max</sub> 80 °C)

Outside diam. (mm)	Thickness (mm)	Weight (g/m)	CLASS 4 (bar)	CLASS 5 (bar)	Water content (l/m)
20	2	120	8	8	0,201

Pipe Feature	Value	Unit	Reference law
Standard			DIN 16968
Permeability to oxygen	≤ 0,32	mg O <sub>2</sub> / (m <sup>2</sup> · d)	DIN 4726
Degree of crosslinking	≥ 70	%	
Density	0,920	g/cm <sup>3</sup>	ISO 1183
Thermal expansion coefficient at 20 °C	1,3 · 10 <sup>-4</sup>	m/(m·K)	
Thermal conductivity	0,22	W/(m·K)	
Softening temperature	> 130	°C	
Elongation at break at 20 °C	> 300	%	ISO 8986-1
Ultimate Tensile Stress at 20 °C	19	MPa	ISO 8986-2
Roughness factor	0,0005		

Pipe Sleeve Feature	Value	Unit	Reference law
Thickness	6	mm	
Density	0,03 ÷ 0,05	g/cm <sup>3</sup>	ISO 1183
Temperature range	-45 / +95	°C	
Thermal conductivity at 40 °C	0,039	W/(m·K)	
Thermal conductivity at 0 °C	0,033	W/(m·K)	
Steam permeability	> 5000		
Reaction to fire (Euroclass)	BL-s1, d0		EN 13501-1

