

# Data sheet

## BISOFIX® Selection Table

	BISOFIX® E	BISOFIX® 88	BISOFIX® PIR
			
Scope of use	In combination with soft pipe insulation materials (e.g. Armaflex®).	In combination with hard and soft pipe insulation materials. For high loads and stand pipes.	In combination with hard pipe insulation materials.
Specific weight DIN 53420	120 kg/m <sup>3</sup> (PIR) 65-75 kg/m <sup>3</sup> (Elastomer)	300 kg/m <sup>3</sup>	80 kg/m <sup>3</sup> < 108 mm 120 kg/m <sup>3</sup> > 108 mm
Compressive strength (at 10% deflection) DIN 53421	1.20 - 1.40 N/mm <sup>2</sup>	6.00 N/mm <sup>2</sup>	0.56 - 0.84 N/mm <sup>2</sup> <108 mm 1.20 - 1.40 N/mm <sup>2</sup> >108 mm
Minimal operating temperature	-45 °C	-100 °C	-180 °C
Maximal operating temperature	+105 °C	+130 °C (short +200 °C)	+140 °C
Thermal conductivity coefficient DIN 52612 (at 10 °C)	0.031 W / (m . K)	0.042 W / (m . K)	0.027 W/(m . K) <108 mm 0.031 W/(m . K) >108 mm
Vapour diffusion resistance DIN 52615 μ	7,000 (PIR) > 4,000 (Elastomer)	2,000	7,000
Fire rating DIN 4102	B2	B2	B2
Max. allowed load*	420 N	1,000 N	370 N**
* pipe 1" ** BISOFIX® PIR 40 & 50			