

LOW TEMPERATURE PIPE CLAMP Type 170-175

Technical data series 170-175

Isolating material:

Cellular polyurethane material with closed cells of high density, approx 250 kg/m³ with smooth surface, free of CFC and H-CFC

Behaviour on fire:

Fire classification B2 according to DIN 4102 see test certificate No. H-149/94 by the research institute for thermal protection, Munich

Thermal conductivity	
Average temperature (C°)	Thermal conductivity (W/m K)
0	0,040
10	0,041
20	0,042
30	0,043
40	0,043

see test report No. F. 2-0493/94
by the research institute for thermal protection Munich

Heat passage pro clamp	
Clamp diameter (mm)	Heat passage (W/Clamp K)
17	0,008
21	0,009
27	0,010
34	0,012
42	0,013
48	0,014
57	0,016
60	0,021
70	0,024
76	0,025
89	0,029
108	0,031
114	0,032
133	0,038
139	0,040
159	0,044
168	0,046
219	0,055

Factor for diffusion resistance μ :
average value $\mu = 790$
see test report No. F. 2-0493/94
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Temperature resistance: -30°C to +105°C
momentarily up to -50°C

Compression resistance: static loading: $P_{max} = 0,7 \text{ N/mm}^2$
dynamic loading: $P_{max} = 0,5 \text{ N/mm}^2$

according to the AGI Q11. The load is distributed in a sector of 120°

Chemical resistance:

The dipa® cold-pipe clamps are resistant against the materials commonly used in building construction. To get more information see the publication of the "Industrieverbandes Polyurethan-Hartschaum e.V. (Federation of industry of polyurethane high-resistance foam) When combining with other isolating materials it will be the best to use polyurethane glues, or respectively glues which do not affect the polyurethane.