

Rolltech - Bendtech spacer profiles

Manufacture:

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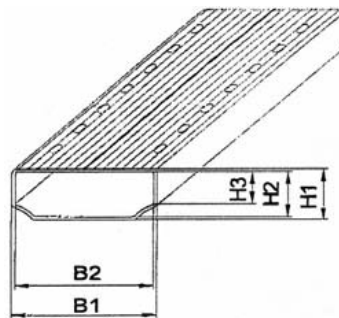
Material data:

When modelling the profiles following material data has been used:

Materials	λ in W/m ² K
Butyl	0.24*
Desiccant	0.13*
Polysulfide	0.40*
Aluminium	160*

*Materials for which the manufacture has not specified exact material data, values from prEN ISO 10077-2 has been used:

Normal spacers:



Calculations on the spacers has been performed using 0.3 mm butyl rubber along both sides of the spacer and 3 mm polysulfide along the lower part of the spacer.

Profile id.	Dimensions (with butyl & polysulfide) d×h (mm)	H1 (mm)	H3 (mm)	B1 (mm)	d (mm)	Equivalent thermal conductivity [W/mK]		L value [W/mK]
						Old method*	New method	
Bendtech 6	6.1×9.5	6.5	5	5.5	0.36	1.24	1.40	2.18
Bendtech 8	8.1×9.5	6.5	5	7.5	0.36	1.56	2.06	2.42
Bendtech 9	9.1×9.5	6.5	5	8.5	0.36	1.72	2.24	2.34
Bendtech 10	10.1×9.5	6.5	5	9.5	0.36	1.87	2.42	2.28
Bendtech 12	12.1×9.5	6.5	5	11.5	0.36	2.18	2.73	2.14
Bendtech 14	14.1×9.5	6.5	5	13.5	0.36	2.44	3.02	2.03
Bendtech 15	15.1×9.5	6.5	5	14.5	0.36	2.62	3.17	1.99
Bendtech 16	16.1×9.5	6.5	5	15.5	0.36	2.74	3.33	1.96
Bendtech 17	17.1×9.5	6.5	5	16.5	0.36	-	3.49	1.94
Bendtech 18	18.1×9.5	6.5	5	17.5	0.36	3.01	3.61	1.89
Bendtech 20	20.1×9.5	6.5	5	19.5	0.39	3.22	3.88	1.83
Bendtech 22	22.1×9.5	6.5	5	22.5	0.45	3.67	4.17	1.79
Bendtech 24	24.1×9.5	6.5	5	23.5	0.45	3.88	4.45	1.75

* Calculations have been performed on profiles with a slightly different geometry and material thickness