

Rolltech - Ferrotech spacer profiles

Manufacture:

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 Denmark

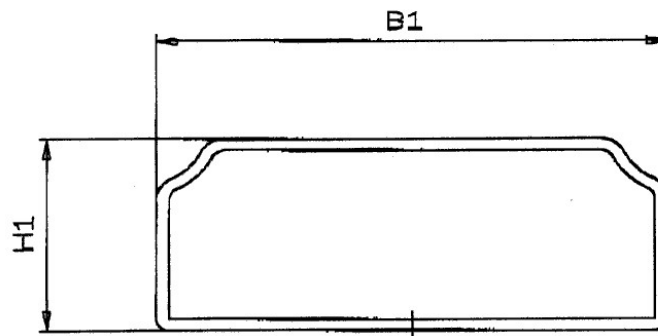
Material data:

When modelling the profiles following material data has been used:

Materials	λ in W/m ² K
Butyl	0.24*
Dessicant	0.13*
Polysulfide	0.40*
Steel	50

*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)	B1 (mm)	d (mm)	Equivalent thermal conductivity [W/mK]		L value [W/mK]
					Old method	New method	
Ferrotech 6	6.1×9.5	6.5	5.5	0.38	1.06	1.42	1.86
Ferrotech 8	8.1×9.5	6.5	7.5	0.38	1.28	1.68	1.66
Ferrotech 9	9.1×9.5	6.5	8.5	0.38	1.38	1.78	1.57
Ferrotech 10	10.1×9.5	6.5	9.5	0.38	1.48	1.88	1.49
Ferrotech 12	12.1×9.5	6.5	11.5	0.38	1.66	2.05	1.36
Ferrotech 14	14.1×9.5	6.5	13.5	0.38	1.81	2.20	1.25
Ferrotech 15	15.1×9.5	6.5	14.5	0.38	1.88	2.28	1.21
Ferrotech 16	16.1×9.5	6.5	15.5	0.38	1.94	2.35	1.17
Ferrotech 18	18.1×9.5	6.5	17.5	0.38	2.06	2.46	1.09
Ferrotech 20	20.1×9.5	6.5	19.5	0.38	2.18	2.58	1.03
Ferrotech 24	24.1×9.5	6.5	23.5	0.38	2.36	2.67	0.89