

Datasheet Tubus Core

<http://www.tubus-bauer.com>

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	Unit	Test Method	PEI 4,0-48 C	PEI 4,0-64 C	PEI 4,0-75 C	PEI 4,0-120 C	PEI 4,0-144 C
Tube diameter	mm	+/- 0,2	4,2	4,2	4,2	4,2	4,2
Density	kg/m ³ pcf		56 3,50	64 4,00	75 4,68	120 7,49	144 8,99
Tolerance			+/- 5%	+/-5%	+/-5%	+/-5%	+/-5%
Compression strength	Mpa psi	DIN 53 421	0,83 120	2,00 289	3,00 435	6,34 919	10,67 1547
Compression modulus	MPa ksi	DIN 53 421	105 15,22	152 22,03	179 25,9	276 40	336 48,7
Shear strength (L and W directions)	MPa psi	DIN 53 294	0,63 91	0,95 137	1,35 195	2,10 304	3,30 478
Shear modulus (L and W directions)	MPa ksi	DIN 53 294	12,2 1,76	19,0 2,75	25,2 3,65	32,0 4,64	40,0 5,79
Temperature range	°C °F		-40 +170 -40 +338	-40 +170 -40 +338	-40 +170 -40 +338	-40 +170 -40 +338	-40 +170 -40 +338

Flammability

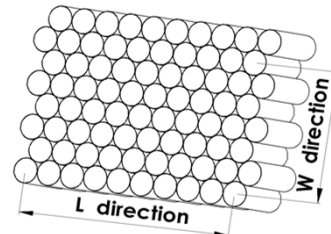
low self-extinguishing

Material

Polyetherimide

Standard colour

amber



The tubular honeycomb has isotropic behavior in L and W directions and does not have typical L and W variances like hexagonal structures.

Dimensions

	1. Standard	2. Standard	max.
Length	2000 mm	2440 mm	3000 mm
Width	1000 mm	1220 mm	1350 mm
Thickness	5 - 300 mm possible		

Other dimensions, cell diameters, densities, colours and special orders: upon request.

Contact information: see address

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