

KLEGECELL

Kaneka Corporation

Outstanding vinyl chloride foam
as heat insulation and core material



General Properties

Item	Unit	Grades No					Test method
		#33	#55 (MR60,SP60)	#75 (MR80,SP80)	#100	#200	
Density	g/cm ³	0.033	0.060	0.080	0.100	0.200	JIS A 9511 23°C
Heat conductivity	W/mK	0.027	0.025	0.027	0.028	0.038	JIS A 1412 0°C
Water absorption volume	g/100cm ²	4.0	3.0	2.4	2.2	1.2	NKmethod, 1kgf/cm ² pressurized for 24h at 23°C
	g/100cm ²	0.1	0.05	0.01	0.01	0.01	JIS A 9511 23°C
Compression strength	N/cm ²	30	75	115	200	475	JIS K 7220 23°C
Compression elastic coefficient	N/cm ²	2200	3900	5000	7500	15000	JIS K 7220 23°C
Bending strength	N/cm ²	45	120	170	270	600	NKmethod, 25°C
Bending elastic coefficient	N/cm ²	3000	4500	6500	10000	35000	NKequivalent, 25°C
Tensile strength	N/cm ²	45	130	200	250	500	NKmethod, 25°C
Tensile elastic coefficient	N/cm ²	3000	4500	6200	9500	25000	NKequivalent, 25°C
Shearing strength	N/cm ²	40	100	150	200	450	NKmethod, 25°C
Shearing elastic coefficient	N/cm ²	370	870	1200	1500	3300	NKequivalent, 25°C
Linear expansion coefficient	cm/cm°C	45x10 ⁻⁶	45x10 ⁻⁶	45x10 ⁻⁶	45x10 ⁻⁶	45x10 ⁻⁶	Strain gauge
Operating temp	°C	-190~70	-190~70	-190~70	-190~70	-190~70	KANEKA method

FRP Services reserves the right to change the information given herein without prior notice. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume liability for occurrence arising out of its use. The user, by accepting products described herein agrees to be responsible for thoroughly testing any application before committing to production.



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