

	1	2	3	4	5	6	7																																																																																					
A	<table><thead><tr><th>Properties</th><th>Value</th><th>Unit</th><th>Tolerance</th><th>Test Method</th></tr></thead><tbody><tr><td>Thermal Conductivity</td><td>9</td><td>W/m·K</td><td>± 0.3</td><td>ASTM D5470</td></tr><tr><td>Reinforcement Carrier optional</td><td>Fiberglass mesh</td><td>/</td><td>/</td><td>/</td></tr><tr><td>Color*</td><td>Gray white</td><td>/</td><td>/</td><td>Visual</td></tr><tr><td>Density</td><td>3.3</td><td>g/cm³</td><td>/</td><td>ASTM D792</td></tr><tr><td>Hardness*</td><td>60</td><td>Shore00</td><td>± 5</td><td>ASTM D2240</td></tr><tr><td>Tensile strength</td><td>15</td><td>psi</td><td>/</td><td>ASTM D412</td></tr><tr><td>Flame Rating</td><td>94V-0</td><td>/</td><td>/</td><td>Equivalent UL</td></tr><tr><td>Volume Resistance</td><td>1.2 x 10¹³</td><td>Ω·cm</td><td>/</td><td>ASTM D257</td></tr><tr><td>Breakdown Voltage</td><td>≥ 5</td><td>KV/mm</td><td>/</td><td>ASTM D149</td></tr><tr><td>Working Temperature</td><td>-40 ~ +150</td><td>°C</td><td>/</td><td>/</td></tr><tr><td rowspan="2">Storage conditions</td><td>Temperature (T)</td><td>15 < T < 30</td><td>°C</td><td>/</td><td>/</td></tr><tr><td>Relative humidity (Rh)</td><td>< 70</td><td>%</td><td>/</td><td>/</td></tr><tr><td>Shelf life</td><td>12</td><td>months</td><td>/</td><td>/</td><td></td></tr></tbody></table> Additional adhesive surface or reinforcement can influence the thermal conductivity. Modification of color or hardness can influence the thermal conductivity. A suitability check is recommended. * other on request x y z <table><thead><tr><th>Properties</th><th>Min (mm)</th><th>Max (mm)</th></tr></thead><tbody><tr><td>Length (x)</td><td>5.0</td><td>400.0</td></tr><tr><td>Width (y)</td><td>5.0</td><td>350.0</td></tr><tr><td>Thickness (z)</td><td>0.5</td><td>10.0</td></tr></tbody></table> ① Special or other dimensions / sizes on request. Notes: - Adhesivity - Natural tacky - Features - Good thermal conductivity, low thermal resistance - Good thermal stability - Good resilience; high reliability for long-term use - Good insulating material - Application options - Communication equipment, network terminals, storage devices, consumer electronics, power supply devices, security equipment N: Not reinforced / not adhesive / natruatl tack O: Not reinforced / one side adhesive P: Not reinforced / two sides adhesive R: Reinforced / not adhesive / natruatl tack S: Reinforced / one side adhesive T: Reinforced / two sides adhesive Order code: VFSIAx-xxxxxyyzzz-xy ① Length (x): 005: 5mm (min) 400: 400mm (max) Width (y): 005: 5mm (min) 350: 350mm (max) Thickness (z): 005: 0.5mm (min) 100: 10.0mm (max) 0: Width y.0mm 5: Width y.5mm 0: Length x.0mm 5: Length x.5mm							Properties	Value	Unit	Tolerance	Test Method	Thermal Conductivity	9	W/m·K	± 0.3	ASTM D5470	Reinforcement Carrier optional	Fiberglass mesh	/	/	/	Color*	Gray white	/	/	Visual	Density	3.3	g/cm ³	/	ASTM D792	Hardness*	60	Shore00	± 5	ASTM D2240	Tensile strength	15	psi	/	ASTM D412	Flame Rating	94V-0	/	/	Equivalent UL	Volume Resistance	1.2 x 10 ¹³	Ω·cm	/	ASTM D257	Breakdown Voltage	≥ 5	KV/mm	/	ASTM D149	Working Temperature	-40 ~ +150	°C	/	/	Storage conditions	Temperature (T)	15 < T < 30	°C	/	/	Relative humidity (Rh)	< 70	%	/	/	Shelf life	12	months	/	/		Properties	Min (mm)	Max (mm)	Length (x)	5.0	400.0	Width (y)	5.0	350.0	Thickness (z)	0.5	10.0	A
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		1	2	3	4	5	6	7				
A	Standard articles	②	Article number		Length [mm]	Width [mm]	Thickness [mm]		A			
			VFSIAN-015015005-00	15	15	0.5						
			VFSIAN-015015010-00	15	15	1.0						
			VFSIAN-015015015-00	15	15	1.5						
B				VFSIAN-015015020-00	15	15	2.0		B			
			VFSIAN-015015030-00	15	15	3.0						
			VFSIAN-015015040-00	15	15	4.0						
			VFSIAN-030030005-00	30	30	0.5						
			VFSIAN-030030010-00	30	30	1.0						
C				VFSIAN-030030015-00	30	30	1.5		C			
			VFSIAN-030030020-00	30	30	2.0						
			VFSIAN-030030030-00	30	30	3.0						
			VFSIAN-030030040-00	30	30	4.0						
D				VFSIAN-050050005-00	50	50	0.5		D			
			VFSIAN-050050010-00	50	50	1.0						
			VFSIAN-050050015-00	50	50	1.5						
			VFSIAN-050050020-00	50	50	2.0						
			VFSIAN-050050030-00	50	50	3.0						
			VFSIAN-050050040-00	50	50	4.0						
			VFSIAN-100100005-00	100	100	0.5						
			VFSIAN-100100010-00	100	100	1.0						
			VFSIAN-100100015-00	100	100	1.5						
			VFSIAN-100100020-00	100	100	2.0						
			VFSIAN-100100030-00	100	100	3.0						
F		VFSIAN-100100040-00	100	100	4.0		F					
G	RoHS compliant Unit:mm	Scale	Free				Date	Name	Description: Thermal foil, containing silicone, Gray white	ASSMANN WSW-No. VFSIAx-xxxxyyyzzz-xy	G	
		TOLERANCE					Drawn	08.08.2022				Segal
		0~30	±0.3				Approved	09.05.2024				Segal
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		T	TOL	Id.	Modification	Date	Name	Customer-No.		SHEET 2 / 3		
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