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A	<table><thead><tr><th colspan="2">Properties</th><th>Value</th><th>Unit</th><th>Tolerance</th><th colspan="2">Test Method</th></tr></thead><tbody><tr><td colspan="2">Thermal Conductivity</td><td>5</td><td>W/m·K</td><td>± 0.3</td><td colspan="2">ASTM D5470</td></tr><tr><td colspan="2">Reinforcement Carrier optional</td><td>Fiberglass mesh</td><td>/</td><td>/</td><td colspan="2">/</td></tr><tr><td colspan="2">Color*</td><td>Gray white</td><td>/</td><td>/</td><td colspan="2">Visual</td></tr><tr><td colspan="2">Density</td><td>3.12</td><td>g/cm³</td><td>/</td><td colspan="2">ASTM D792</td></tr><tr><td colspan="2">Hardness*</td><td>40</td><td>Shore00</td><td>± 5</td><td colspan="2">ASTM D2240</td></tr><tr><td colspan="2">Tensile strength</td><td>20</td><td>psi</td><td>/</td><td colspan="2">ASTM D412</td></tr><tr><td colspan="2">Flame Rating</td><td>94V-0</td><td>/</td><td>/</td><td colspan="2">Equivalent UL</td></tr><tr><td colspan="2">Volume Resistance</td><td>1.75 x 10¹³</td><td>Ω·cm</td><td>/</td><td colspan="2">ASTM D257</td></tr><tr><td colspan="2">Breakdown Voltage</td><td>≥ 5</td><td>KV/mm</td><td>/</td><td colspan="2">ASTM D149</td></tr><tr><td colspan="2">Working Temperature</td><td>-40 ~ +150</td><td>°C</td><td>/</td><td colspan="2">/</td></tr><tr><td rowspan="2">Storage conditions</td><td>Temperature (T)</td><td>15 < T < 30</td><td>°C</td><td>/</td><td colspan="2">/</td></tr><tr><td>Relative humidity (Rh)</td><td>< 70</td><td>%</td><td>/</td><td colspan="2">/</td></tr><tr><td colspan="2">Shelf life</td><td>12</td><td>months</td><td>/</td><td colspan="2">/</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							Properties		Value	Unit	Tolerance	Test Method		Thermal Conductivity		5	W/m·K	± 0.3	ASTM D5470		Reinforcement Carrier optional		Fiberglass mesh	/	/	/		Color*		Gray white	/	/	Visual		Density		3.12	g/cm ³	/	ASTM D792		Hardness*		40	Shore00	± 5	ASTM D2240		Tensile strength		20	psi	/	ASTM D412		Flame Rating		94V-0	/	/	Equivalent UL		Volume Resistance		1.75 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	/	/		A
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D	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: 1. Adhesivity 1.1. Natural tacky 2. Features 2.1. Good thermal conductivity, low thermal resistance 2.2. Good thermal stability 2.3. Good resilience; high reliability for long-term use 2.4. Good insulating material 3. Application options 3.1. Communication equipment, Network terminals, Storage devices, Consumer electronics, power supply devices, security equipment Order code: VFSEBx-xxxxxyzzz-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) 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 0: Width y.0mm 5: Width y.5mm 0: Length x.0mm 5: Length x.5mm							Properties	Min (mm)	Max (mm)	Length (x)	5.0	400.0	Width (y)	5.0	350.0	Thickness (z)	0.5	10.0	D																																																																																					
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1		2		3		4		5		6		7		
A	Standard articles												A	
B	②	Article number	Length [mm]		Width [mm]		Thickness [mm]							
		VFSEBN-015015005-00	15		15		0.5							
		VFSEBN-015015010-00	15		15		1.0							
		VFSEBN-015015015-00	15		15		1.5							
		VFSEBN-015015020-00	15		15		2.0							
C		VFSEBN-015015030-00	15		15		3.0							
		VFSEBN-015015040-00	15		15		4.0							
		VFSEBN-030030005-00	30		30		0.5							
		VFSEBN-030030010-00	30		30		1.0							
		VFSEBN-030030015-00	30		30		1.5							
D		VFSEBN-030030020-00	30		30		2.0							
		VFSEBN-030030030-00	30		30		3.0							
		VFSEBN-030030040-00	30		30		4.0							
		VFSEBN-050050005-00	50		50		0.5							
		VFSEBN-050050010-00	50		50		1.0							
E		VFSEBN-050050015-00	50		50		1.5							
		VFSEBN-050050020-00	50		50		2.0							
		VFSEBN-050050030-00	50		50		3.0							
		VFSEBN-050050040-00	50		50		4.0							
		VFSEBN-100100005-00	100		100		0.5							
F		VFSEBN-100100010-00	100		100		1.0							
		VFSEBN-100100015-00	100		100		1.5							
		VFSEBN-100100020-00	100		100		2.0							
		VFSEBN-100100030-00	100		100		3.0							
		VFSEBN-100100040-00	100		100		4.0							
G	RoHS compliant Unit:mm	Scale	Free					Date	Name	Description: Thermal foil, containing silicone, Gray white				
		TOLERANCE					Drawn	08.08.2022	Segal					
		0~30	±0.3				Approved	08.05.2024	Segal	ASSMANN WSW-No.				
		31~50	±0.5							VFSEBx-xxxxyyyzzz-xy				
		51~400	±2.0	②	Add the standard P/N in page 2 to 4	08.05.2024	Segal							
		DIM	TOL	①	Update	03.11.2022	Larsen	ASSMANN WSW components A company of BCS			Drawing-No. ASS 4996 HS		rev02	
		0~1	±0.1											
		1~10	±10%	③	Drawn	08.08.2022	Segal				Customer-No.		SHEET 2 / 4	
H		T	TOL	Id.	Modification	Date	Name							
1		2		3		4		5		6		7		

		1	2	3	4	5	6	7				
A	Standard articles	②	Article number				Length [mm]	Width [mm]	Thickness [mm]	A		
			VFSEBN-150150005-00				150	150	0.5			
			VFSEBN-150150010-00				150	150	1.0			
			VFSEBN-150150015-00				150	150	1.5			
B				VFSEBN-150150020-00				150	150	2.0	B	
				VFSEBN-150150030-00				150	150	3.0		
				VFSEBN-150150040-00				150	150	4.0		
				VFSEBR-015015005-00				15	15	0.5		
C				VFSEBR-015015010-00				15	15	1.0	C	
				VFSEBR-015015015-00				15	15	1.5		
				VFSEBR-015015020-00				15	15	2.0		
				VFSEBR-015015030-00				15	15	3.0		
				VFSEBR-015015040-00				15	15	4.0		
D				VFSEBR-030030005-00				30	30	0.5	D	
				VFSEBR-030030010-00				30	30	1.0		
				VFSEBR-030030015-00				30	30	1.5		
				VFSEBR-030030020-00				30	30	2.0		
				VFSEBR-030030030-00				30	30	3.0		
E				VFSEBR-030030040-00				30	30	4.0	E	
				VFSEBR-050050005-00				50	50	0.5		
				VFSEBR-050050010-00				50	50	1.0		
				VFSEBR-050050015-00				50	50	1.5		
				VFSEBR-050050020-00				50	50	2.0		
F				VFSEBR-050050030-00				50	50	3.0	F	
		VFSEBR-050050040-00				50	50	4.0				
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		31~50	±0.5							VFSEBx-xxxxyyyzzz-xy		
		51~400	±2.0	②	Add the standard P/N in page 2 to 4	08.05.2024	Segal					
		DIM	TOL	①	Update	03.11.2022	Larsen	ASSMANN WSW components A company of BCS		Drawing-No. ASS 4996 HS	rev02	H
		0~1	±0.1									
		1~10	±10%	③	Drawn	08.08.2022	Segal					
		T	TOL	Id.	Modification	Date	Name	Customer-No.		SHEET 3 / 4		
	1	2	3	4	5	6	7					

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