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Properties	Value	Unit	Tolerance	Test Method
Thermal Conductivity	5	W/m·K	± 0.3	ASTM D5470
Reinforcement Carrier optional	Fiberglass mesh	/	/	/
Color*	Black	/	/	Visual
Density	3.12	g/cm ³	/	ASTM D792
Hardness*	30	Shore00	± 5	ASTM D2240
Tensile strength	15	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	/	/

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

Thermal Resistance v.s. Pressure

	10Psi	20Psi	30Psi	40Psi	50Psi
R(°C*in²/W)	0.385	0.276	0.222	0.193	0.175

Properties	Min (mm)	Max (mm)
Length (x)	5.0	400.0
Width (y)	5.0	350.0
Thickness (z)	0.5	10.0

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

N: Not reinforced / not adhesive / natrual tack

O: Not reinforced / one side adhesive

P: Not reinforced / two sides adhesive

R: Reinforced / not adhesive / natrual tack

S: Reinforced / one side adhesive

T: Reinforced / two sides adhesive

Order code: VFSHBx-xxxxyyzzz-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

G

H

RoHS compliant

Unit:mm

Scale	Free						Date	Name	Description:	
TOLERANCE						Drawn	08.08.2022	Segal	Thermal foil, containing silicone, Black	
0~30	±0.3					Approved	09.05.2024	Segal	ASSMANN WSW-No.	
31~50	±0.5								VFSHBx-xxxxyyzzz-xy	
51~400	±2.0	②	Add the standard P/N in page 2	09.05.2024	Segal					
DIM	TOL	①	Update	03.11.2022	Larsen	ASSMANN WSW components A company of BCS	Drawing-No.		ASS 5035 HS	rev02
0~1	±0.1									
1~10	±10%	③	Drawn	08.08.2022	Segal					
T	TOL	Id.	Modification	Date	Name	Customer-No.		SHEET 1 / 2		

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