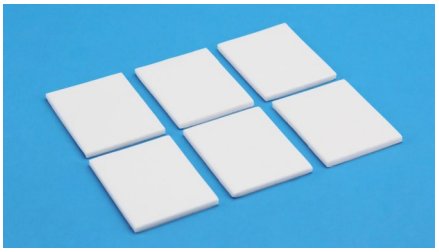
EVAF800

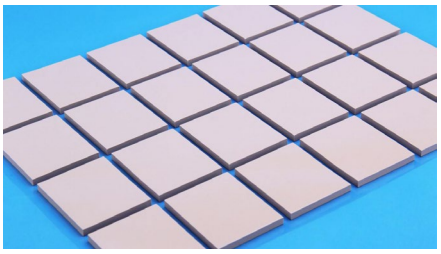
TDS UPDATED AS OF 1/23/2025

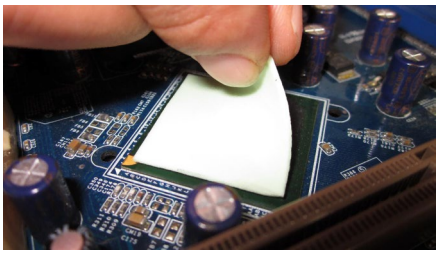
【Product Description】

EVAF Series Non-silicone thermal pads are free from siloxane and the risk of silicone oil bleed, effectively preventing risks such as mirror fogging and electrical failures. These pads boast excellent tensile strength and abrasion resistance. The products are naturally tacky, can be die-cut into various shapes, easy to operate.

【Product illustration】







Properties	Unit	EVAF800	Test Method
Color	-	White	Visual
Thermal Conductivity	W/m·K	8.0	ASTM D5470
Thermal Impedance (1mm,@30psi)	℃*in²/W	0.2	ASTM D5470
Thickness	mm	0.5 ~ 5.0	ASTM D374
Standard Hardness	Shore 00	50/70±5	ASTM D2240
Elongation	%	30	ASTM D412
Tensile Strength	psi	30	ASTM D412
Compressibility (1mm,@30psi)	%	20	-
Density	g/cm³	3.4	ASTM D792
Dielectric Strength (@AC)	kV/mm	> 8	ASTM D149
Dielectric Constant (@1MHz)	-	10.0	ASTM D150
Volume Resistivity	Ω·cm	$1*10^{11}$	ASTM D257
Operating Temp.	℃	-40 ~ 120	-
Flame Rating	-	V-0	UL94
RoHS	-	PASS	IEC 62321
Halogen	-	PASS	EN 14582
REACH	-	PASS	EN 14372

【Features and Benefits】

- No Siloxane Volatilization
- No Silicone Oil Bleeding
- Excellent Flame Retardant
- High Tensile Strength and High Elongation

【Applications】

- Data Center
- Automotive Sensors
- Industrial Control Equipment

【Product Specifications】

200*300 mm or die-cut parts

【Storage & Transportation】

Store in a well-ventilated, cool, and dry place, away from open flames. This product is non-toxic and should be stored and transported as a non-hazardous material.

【Packaging】

Customized packaging according to customer requirements.

【Shelf Life】

24 months

Test fixtures were tested using ASTM D5470. Recorded values include interface thermal resistance. These values are for reference only. The actual application performance is directly related to the applied surface roughness, flatness and pressure.