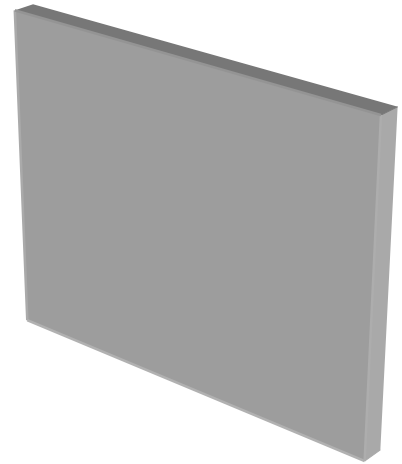


TM-KCS Thermal Silicon Pad

TM-KCS is a fiberglass reinforced silicone foil filled with thermally conductive ceramics, hence its high thermal conductivity. By its implementation a very low total thermal resistance can be achieved. Its performances and flexibility make it the ideal interface material for most applications.



Properties

- Good thermal conductivity.
- Low thermal resistance.
- Very high dielectric strength.
- Fiberglass reinforced.
- Very flexible.
- Clean and easy mounting with high process reliability.
- No thermal grease required.

Availability

- Cut according to customer specifications.
- Roll form 300 mm* 50mt

Technical Data

Test item	Test method	Unit	Test value of TM-KCS series			
	Visual		TM-KCS230	TM-KCS300	TM-KCS450	TM-KCS800
Colour	Grey					
Thickness	ASTM D374	Mm	0.23±0.03	0.3±0.03	0.45±0.03	0.8±0.03
Specific Gravity	ASTM D792	g/cc	1.6 to 1.8	1.6 to 1.8	1.6 to 1.8	1.6 to 1.8
Hardness	ASTM D2240	Shore A	85±5	85±5	85±5	85±5
Tensile Strenght	ASTM D412	Kg/cm ²	>180	>180	>180	>180
	ASTM D412	pa	1.8*10 ¹¹	1.8*10 ¹¹	1.8*10 ¹¹	1.8*10 ¹¹
Continuous use Temp		°C	-50 to +200	-50 to +200	-50 to +200	-50 to +200
Elongation	ASTM D412	%	3 to 8	3 to 8	3 to 8	3 to 8
Breakdown Voltage	ASTM D149	KV/mm	≥3.0	≥4.0	≥5.0	≥8.0
Flame Rating	UL-94		V-0	V-0	V-0	V-0
Conductivity	ASTM D5470	w/m-k	1.5	1.5	1.5	1.5