

THERMAL CONDUCTIVITY  
(W/m<sup>2</sup>K)

ISO 22007-2

ASTM E1530

1,8

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Electrically insulating

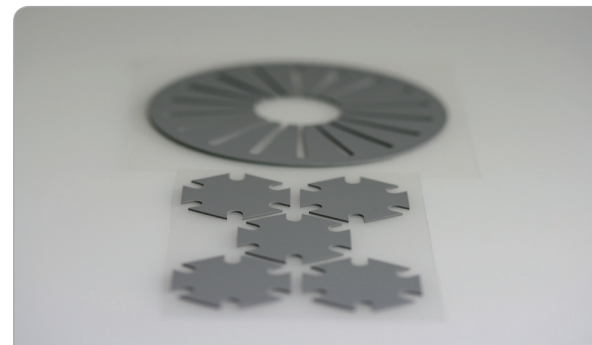


# Thermally conductive soft-silicone film KU-TCAS

HEATPAD® KU-TCAS is a very soft silicone film filled with thermally conductive ceramic for excellent thermal conductivity, superior elasticity and high dielectric strength. KU-TCAS meets the highest requirements regarding thermal transfer. Total thermal transfer resistance is minimized by this material. It is self-adhesive on both sides.

## PROPERTIES

- Good thermal conductivity
- Very high dielectric strength
- Very soft and flexible
- Self-adhesive on both sides
- Gauges from 0.5 to 10mm
- Hardness at thickness ≤1,0mm = 75 Shore 00
- Quick and easy handling, superior process reliability
- UL flammability rating: UL 94 V0
- UL File No.: E337894



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We disclaim all liability for accuracy of this information. Technical detail is subject to change.

Image may differ from the original product

PART	KU-	TCAS50	TCAS200
<b>GENERAL PROPERTIES</b>			
Material		Soft silicone	
Filler		Thermal conductive ceramic	
Colour		Dark grey	
Material gauge	mm	0,5	2,0
Density	g/cm <sup>3</sup>	1,9	
Outgassing (LMW Siloxane)	ppm	Σ D3 - 10 = 240	
<b>MECHANICAL PROPERTIES</b>			
Hardness (VLRH)		58	33
Hardness (Shore 00)		75	37
<b>ELECTRICAL PROPERTIES</b>			
Breakdown Voltage	kV /mm	≥ 10	
<b>THERMAL PROPERTIES</b>			
Thermal conductivity (ASTM E1530)	W/mK	---	
Thermal conductivity (ISO 22007-2)	W/mK	1,8	
Thermal resistance (inch <sup>2</sup> )	°C/W	0,51	1,15
Operating temperature	°C	-40 to +180	

Issue date: 29.02.2016