THERMAL CONDUCTIVITY
(W/m·°K)

ISO 22007-2	ASTM D5470
134	---

X-Y direction (in-plane)

6,0	------

Z-direction (through-plane)

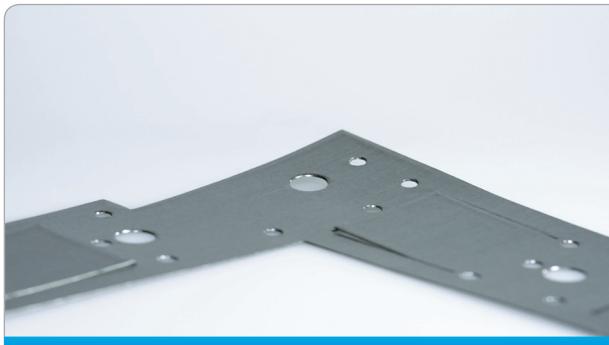
Electrically non insulating

High-performance thermally conductive graphite film, KU-CBMA series

HEATPAD® KU-CBMA are pure graphite interface materials with superior thermal conductivity along length and width (X-Y-direction) and high thermal conductivity through the thickness (Z-direction).

PROPERTIES

- Anisotropic thermal conductivity: very high thermal conductivity along length and width (X-Y-direction), high thermal conductivity through thickness (Z-direction)
- Silicone-free
- Soft and flexible
- Very high temperature resistance
- No hardening, no outgassing
- Guaranteed constant layer thickness
- No ageing
- Low tightening torque required
- Quick and clean handling, superior process reliability



High-performance thermally conductive graphite film, CBMA series

PART	KU-		CBMA125	CBMA250
GENERAL PROPERTIES				
Material			Graphite (Carbon)	
Colour			Dark grey	
Gauge		mm	0,125 +/-0,02	0,25 +/-0,03
Material purity (Graphite)		%	>98	
Density		g/cm³	1,35	
ELECTRICAL PROPERTIES				
Volume resistivity in x-y direction (surface)		(Ωm)	2,0 x 10^{-6}	1,5 x 10^{-6}
Volume resistivity in z-direction (gauge)		(Ωm)	2,0 x 10^{-6}	1,5 x 10^{-6}
THERMAL PROPERTIES				
Thermal conductivity in-plane (x-y direction) (ASTM 5470)		W/mK	----	
Thermal conductivity in-plane (x-y direction) (ISO 22007-2)		W/mK	134	
Thermal conductivity through-plane (z direction) (ASTM 5470)		W/mK	----	
Thermal conductivity through-plane (z-direction) (ISO 22007-2)		W/mK	6,0	
Thermal resistance (inch²)		°C/W	0,032	0,064
Operating temperature		°C	-240 to +400	

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