

**Thermally Conductive interface Pads**

E-gra 400 series is made from high-quality Natural Flake Graphite, through special processes and expanded under high temperature.

**Properties:**

High and low temperature resistance

High corrosion resistance



**Applications:**

It can be used to manufacture Graphite Braided Packing, Spiral Wound Gasket, Metal Reinforced Graphite Plate... etc.



Properties	E-gra400 Series	Test Method
Construction & Composition	Flexible Graphite	—
Carbon Content /%	≥99.5	—
Color	Pewter	Visual
Thickness Range /inch (mm)	0.002~0.06" (0.051~1.524mm)	—
Density /g.cm <sup>-3</sup>	1.2	—
Hardness /Shore A	85	ASTM D2240
Tensile Strength /Mpa	≥4.6	ASTM D412
UL Flammability Rating	UL94 V0	—
Temperature Range /°C	-40~300°C	—
Thermal Conductivity -Z Axis /W.m <sup>-1</sup> .K <sup>-1</sup>	>5	ASTM D5470 (modified)
Thermal Conductivity -XY Axis /W.m <sup>-1</sup> .K <sup>-1</sup>	>400	ASTM D5470 (modified)
Volume Resistivity (In-Plane) /ohm.cm	11 x 10 <sup>-3</sup>	ASTM D991
Thermal Impedance @ 80 psi (10mil)	0.162 °C-in <sup>2</sup> /W	ASTM D5470 (modified)
Shelf Life /Months	24	—

Please contact us for other special requirements

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