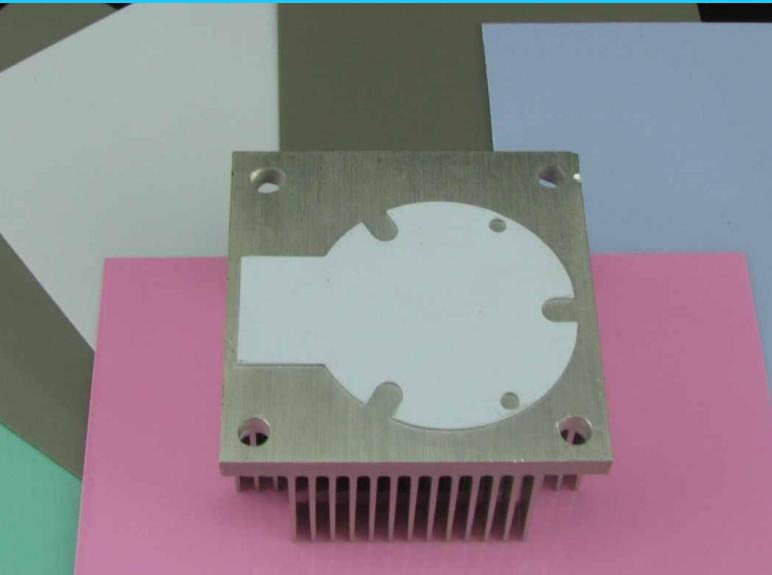


Thermal Conductive Gap Filler Pad

GP5000 Series



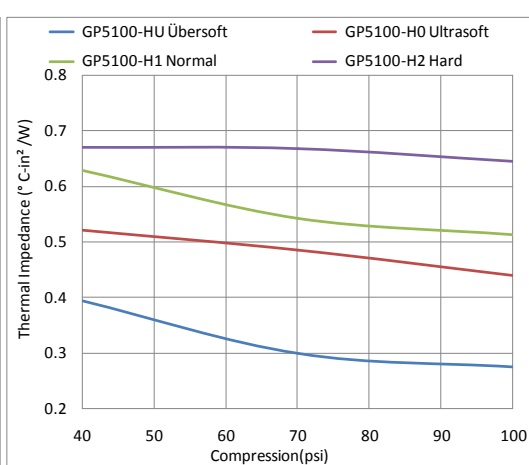
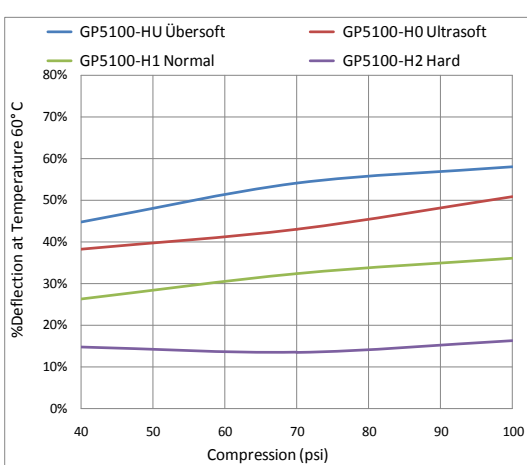
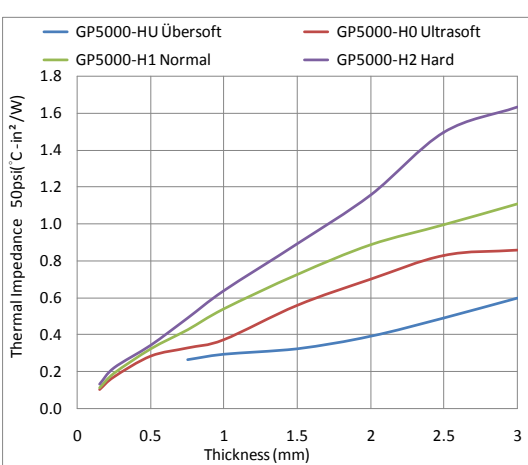
Description

The GP5000 series contains silicone rubber with enhanced thermal conductivity 3.0 W/m-K. It is an enhanced ceramic particle filled silicone rubber containing a highly conforming and thermally conductive thermal pad. It is used between heat sink and heat generating components. The Ultra soft version will fill voids and rugged surfaces, while wetting out matting surfaces in order to efficiently transfer heat from components to heat sink.

Benefits

- Enhanced thermal conductivity 3.0 W/m-K
- Übersoft and Ultrasoft is highly compressible
- Provides good wetting
- Self-tacky or additional PSA available

General properties	GP5000						Volume Resistivity			>10 ¹⁴ ohm-cm		
Construction & Composition	Silicone						UL Flammability Rating			94V-0 E333972		
Color	Light Blue						Continuous Using Temperature Range			-55 ~ 200°C		
Thickness	0.25-5mm ± 10%						Thermal Expansion			37.4 ppm/°C		
Density	2.9 g/cc						Thermal Conductivity			3.0 W/m-K		
Thickness (mm)	0.13	0.25	0.30	0.50	0.75	1.00	1.50	2.00	2.50	3.00	5.00	
Tensile Strength with Glass Fabric	N/A	N/A	30 psi	30 psi	30 psi	30 psi	30 psi	30 psi	30 psi	30 psi	30 psi	
Elongation (%) with Glass Fabric	N/A	N/A	100psi	100psi	100psi	100psi	80	80	80	80	80	
Shore OO hardness of Übersoft (HU) with Glass Fabric	N/A	N/A	N/A	N/A	N/A	N/A	26±2	26±2	26±2	26±2	26±2	
Shore OO hardness of Ultrasoft (H0) with Glass Fabric	N/A	N/A	N/A	N/A	N/A	N/A	36±2	36±2	36±2	36±2	36±2	
Shore OO hardness of normal (H1) with Glass Fabric	N/A	N/A	N/A	N/A	N/A	N/A	46±2	46±2	46±2	46±2	46±2	
Shore OO hardness of Extra Hard (H2) with Glass Fabric	60±2	60±2	60±2	60±2	60±2	60±2	60±2	60±2	60±2	60±2	60±2	
Dielectric Strength (Volt) (Excluded HU) with Glass Fabric	N/A	>4,000	>5,000	>8,000	>8,000	>10,000	>20,000	>20,000	>20,000	>20,000	>20,000	



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DATA MAX-THERM GP5000 TDS 2014 REV.B