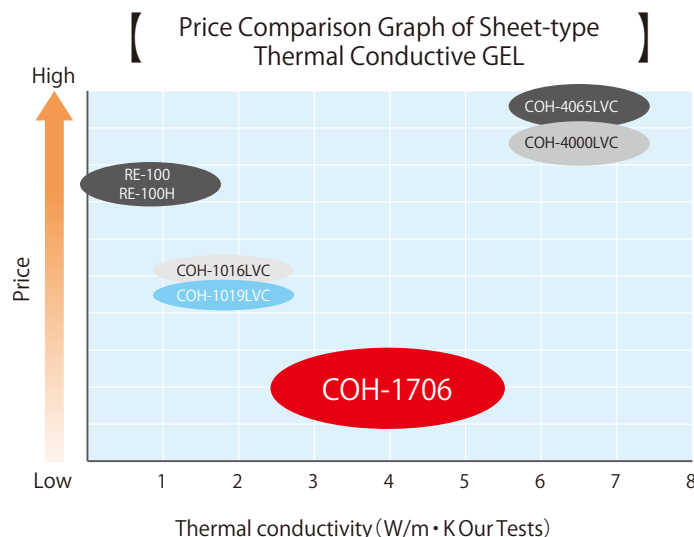


# COH-1706

## Features

- High thermal conductivity
- Softness relieves mechanical stress
- Good handling makes easy apply to heating elements
- Wide operating temperature range

Characteristic item		COH-1706	COH-1016LVC
Thermal conductivity (W/m·K)	Our tests	3.8	1.9
	Hot Wire Method	1.7	1.2
Hardness (Asker C)		27	60
Appearance		Gray	White
Tensile strength (MPa)		0.24	0.21
Volume resistivity ( $\Omega \cdot \text{cm}$ )		$4.8 \times 10^{12}$	$6.1 \times 10^{13}$
Dielectric breakdown strength (kV/mm)		18.6	18.8
Elongation (%)		75	205
Compression set (%)		84	15
Flame retardance (UL94)		V-0 (Equivalent)	V-0 (Equivalent)
Temperature range (°C)		-40~150	-40~150



## Applications

- LED, Backlight module
- Engine control unit for hybrid vehicle
- Battery for electric vehicle
- CPU



## Notes

- To the best of our knowledge, the information and statements on this brochure are believed to be true and reliable; however, the PRODUCTS described herein are sold WITHOUT ANY GUARANTEE OR WARRANTY INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSES since the application and conditions of each use vary and change, and are beyond the control of manufacturer and seller(s). The customers and users of the PRODUCTS shall assume the responsibility for determining the suitability of the PRODUCTS based on their tests and for whatever risks and liability associated with the use of the PRODUCTS. NEITHER MANUFACTURER NOR SELLER(S) SHALL BE LIABLE EITHER IN TORT OR CONTRACT OR ANY OTHER CAUSE FOR ANY KIND OF LOSS OF PROFITS OR DAMAGE, INCIDENTAL, DIRECT, OR CONSEQUENTIAL, ARISING OUT OF OR IN CONNECTION WITH THE USE OF OR THE INABILITY TO USE THE PRODUCTS.
  - It is highly recommended that users would not use the products shown in the brochure in medical applications, particularly for implantation use.
  - The users shall be aware of the fact that silicone oil could bleed from silicone-gel. It is therefore that any user should be responsible for conducting reliability test in advance before delivering the products in the market.
  - The silicone-gel contains low molecular siloxane, which could be volatile.
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