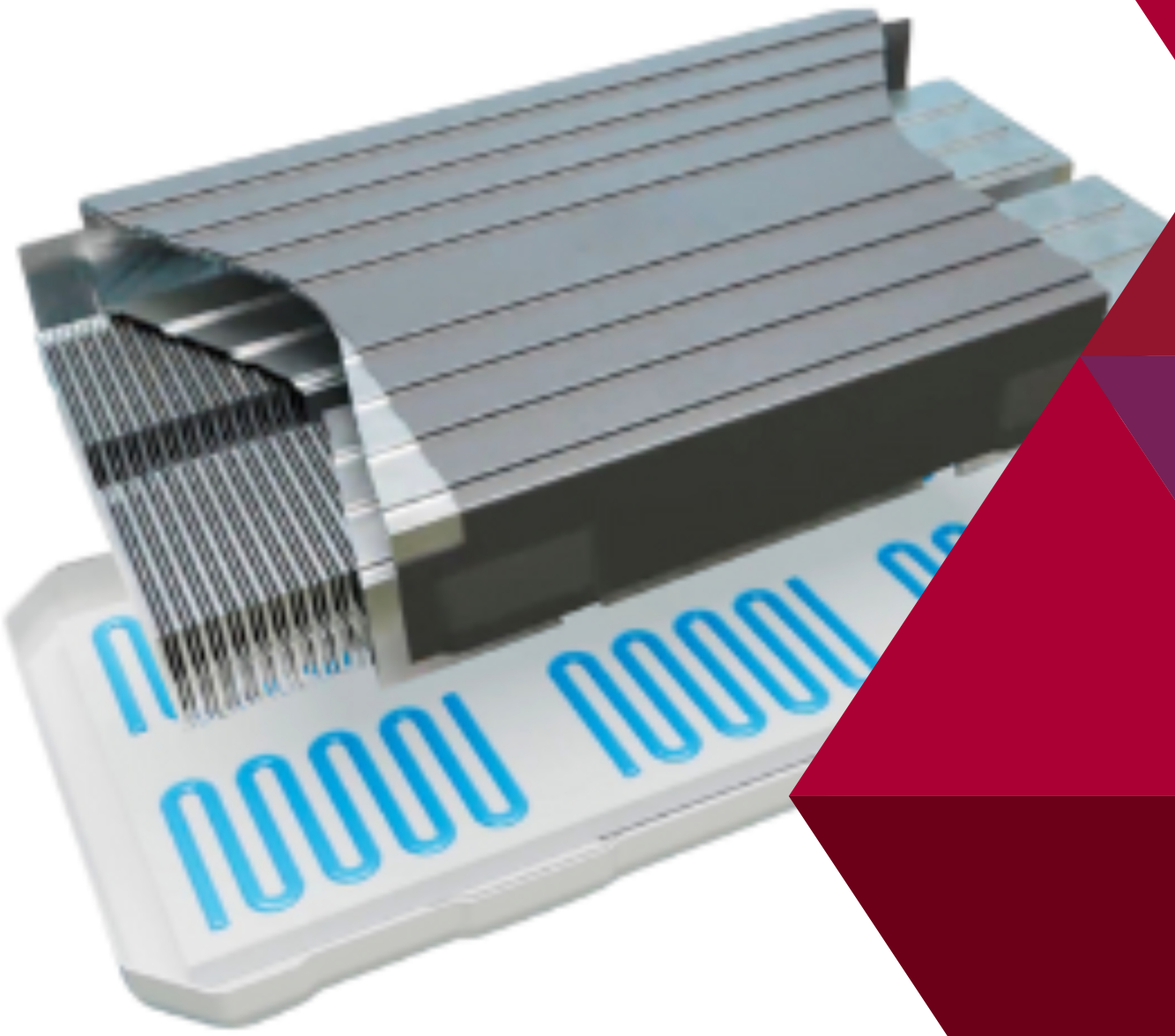
PRODUCTS FOR BATTERY

Thermal Conductive Gapfiller



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Specification Thermal-Conductive Grease CGW™ Series

Specifications	Unit	CGW-2	CGW-3	CGW-3LW	CGW-3.6	CGW-4	CGW-4.5	CGW-6
Color (A)	-	Green	Blue	Light blue	Light blue	Light blue	Beige	Blue
Color (B)	-	White	White	White	White	White	White	White
Thermal conductivity *1 (ASTM D5470)	W/(m*K)	2	3	3	3.6	4	4.5	6
Thermal conductivity *2 (ASTM D5470)	W/(m*K)	3	3.5	3.5	4.5	5	5.5	8
Hardness	Type E Shore 00	25 50	30 55	30 55	20 40	25 50	30 55	25 50
Specific gravity	-	2.0	2.8	2.2	2.9	3.0	3.2	3.4
Viscosity (A)	Pa*s	240	260	300	260	270	250	300*
Viscosity (B)	Pa*s	220	240	280	230	250	250	280*
Viscosity (Mixed)	Pa*s	230	250	290	260	260	250	290
Pot Life	Hour	≥2	≥2	≥2	≥2	≥2	≥2	≥2
Curing time (25 °C)	Hour	24	24	24	24	24	24	24
Volume resistivity	Ω*cm	$\geq 10^{10}$	$\geq 10^{10}$	$\geq 10^{10}$	$\geq 10^{10}$	$\geq 10^{10}$	$\geq 10^{10}$	$\geq 10^{10}$
Dielectric Strength	AC kV/mm	≥10	≥10	≥10	≥10	≥10	≥10	≥10
UL index	-	V-0	V-0	V-0	V-0	V-0 equivalent	V-0	V-0 equivalent
Recommending operating temperature range	°C	-40~150	-40~150	-40~150	-40~150	-40~150	-40~150	-40~150
Content of low molecular cyclic siloxane D4~D10	ppm	≤70	≤70	≤70	≤70	TBD	≤70	≤70
Shelf Life	month	≤6	≤6	≤6	≤6	≤6	≤6	≤6

Notes:

*Thermal conductivity *1: Measured equipment / LW-9389, Long Win Science & Technology Corp.

*Thermal conductivity *2: T3STER DynTIM, SIEMENS.

*The pot life is the time it takes for the viscosity to double immediately after mixing materials A and B.

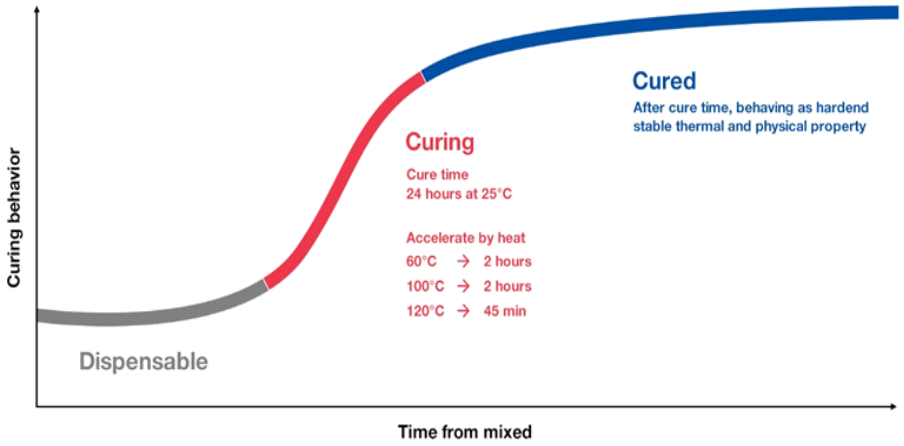
*Shelf Life is applicable only when stored under the environment and conditions recommended by our company. Please contact us for details.

*Viscosity of CGW-2, CGW-3, CGW-3LW, CGW-3.6, and CGW-4.5 are measured by a B-type viscometer at 10 rpm.

*Unlike other products, the viscosity of the CGW-6 is measured by a spiral viscometer at 5 rpm.

Curing Inhibition

- Nitrogen-containing compounds
- Sulfur-containing compounds
-Phosphorus-containing compounds
- Other: alcohol, water and unsaturated compounds, etc.



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