

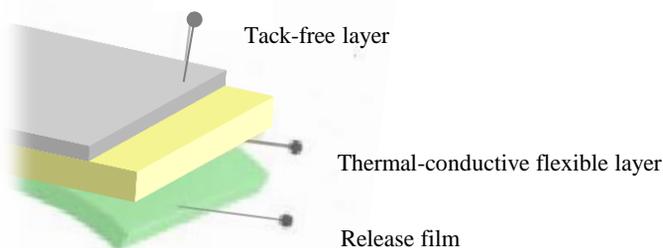
Acrylic Type Thermal-conductive Sheet

UX3002D series

Features

- UX3002D is an acrylic-type thermal conductive sheet having high flexibility.
- UX3002D produces no siloxane gas.
- Thermal conductivity: 3 W/m·k class
- Ensures workability and reworkability.
- UX3002D is halogen-free and flame resistant. (t0.5mm ~ : UL94-V0) File No. E63260
- UX3002D contains no specific harmful substances as defined in RoHS directives.
- Features extremely reduced levels of volatile constituents and decreased odor.
- No changes in electrical insulation characteristics and performance after long-term usage.

Structure



Product Name	UX3002D -050	UX3002D -100	UX3002D -150	UX3002D -200
Base material	Acryl			
Color	Ivory			
(*1)Thickness [mm]	About 0.5	About 1.0	About 1.5	About 2.0
(*2)Hardness(Asker C)	<30			
(*2)Hardness(Shore OO)	<60			
Thermal resistance [°C-cm ² /W]	<3.0	<5.0	<7.0	<9.0
(*3)Thermal conductivity [W/mK]	3 class			
Flame resistance UL94	V-0			
(*4)Compressibility [%]	>10	>15		

The above are measured values, not guaranteed values. In addition, since the information set out above may be changed depending, for example, on specification changes, without notice.

The above values apply to the heat-conductive sheet only and does not include the release film.

(*1)The lineup of thickness will be based on 0.5, 1.0, 1.5, 2.0mm as the standards. Customers may consult on items such as product size.

(*2) The above hardness is the value of the only flexible layer.(Except tack-free layer)

(*3) The thermal conductivity is an estimate except contact thermal resistance.

(*4) The compressibility is a value at 98kPa compressed.

Applications

- UX3002D acts as a thermal-conductive material when adhered to heat-generating components and heat sinks of devices such as desktop PCs, notebook PCs, displays and electronic device power sources.
- UX3002D can also be used for application where there are concerns over siloxane gas generation.

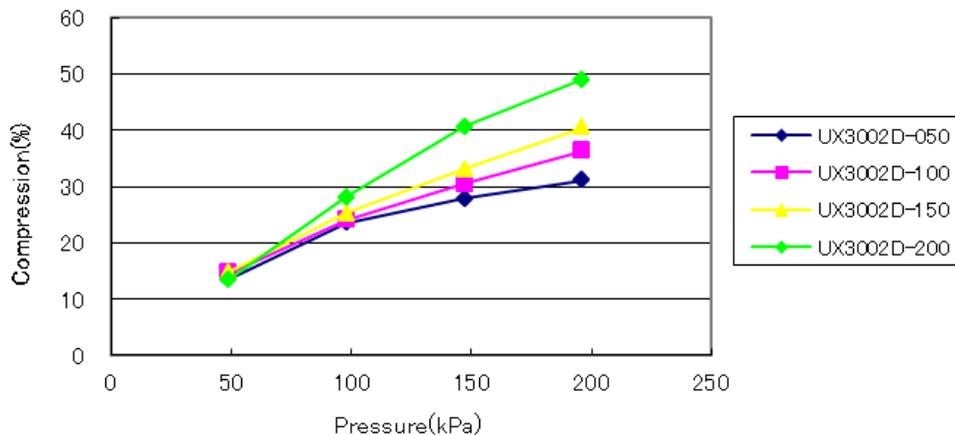
Technical information

[Remarks]

*The above values are sample observed values, not the guaranteed performance.

1. Compression-Pressure

Fig.1 Pressure vs Compression

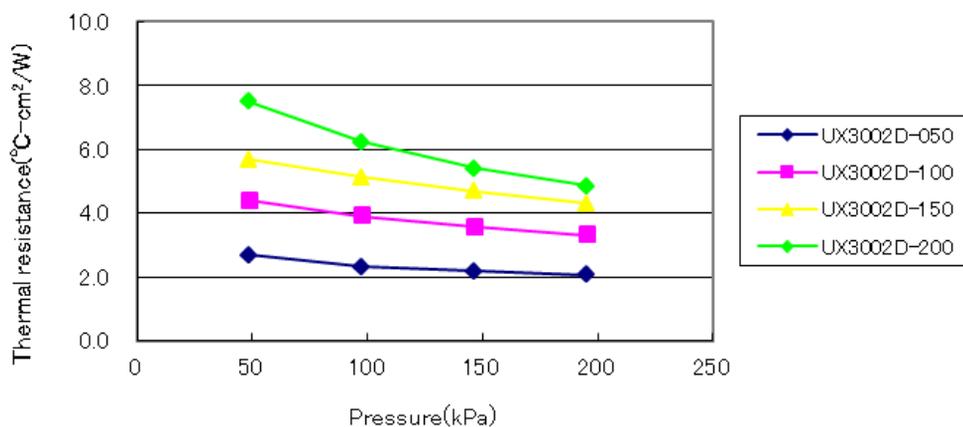


2. Thermal resistance-Pressure

<Test method> ASTM-D5470 conformity

Heater output power: 8W

Fig.2 Pressure vs Heat resistance



3. Volume resistivity

< Test method > JIS K6271 conformity

	UX3002D-050	UX3002D-100	UX3002D-150	UX3002D-200
Volume resistivity (Ω·cm)	9.8×10^{12}	3.9×10^{12}	3.7×10^{12}	2.3×10^{12}

Note on the characteristic data given— Data on the characteristics of the products described in this catalog are based on the results of evaluations carried out by the company. This does not guarantee that the characteristics of the product conform with your usage environment. Before use, review the usage conditions based on evaluation data obtained from the equipment and substrates actually used.

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