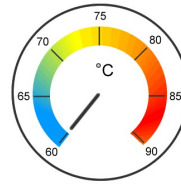
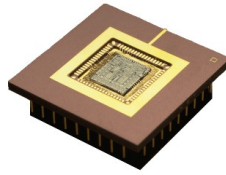


# MOLYDUVAL

## Wapa Z



### Silicone Based Heat Sink Compound

A silicone oil based paste with a medium consistency, heavily fortified with heat-conductive metal oxides to insure rapid and efficient thermal conductivity. Heat dissipation between power components in electrical and electronic assemblies is facilitated by the ability of this compound to fill the voids and gaps between all surface configurations in the device. Provides extended protection for many components because of its high temperature stability, will not harden, even when exposed to extreme temperatures, compatible with plastic and metal components insuring trouble-free and effective life.

### Characteristics

- good anticorrosive properties
- high temperature resistance
- insensitive against humidity
- chemically inert
- chemically inert to most materials like plastic and rubber
- does not melt
- will not harden
- non toxic
- low oil bleeding

### Applications

- for metal and plastic semiconductors
- for transistors, diodes, and similar components
- to protect sensitive electronic components such as semiconductors, sensors, transistors or probes
- to improve heat conduction to metal plates or cooling housings

### Technical Datas

Color		white
Base Fluid		polydimethylsiloxane
Thickener		inorganic
Name		MFSI2,5
Viscosity Base Fluid, 40°C	mm <sup>2</sup> /s	38
Density 15°C	kg/m <sup>3</sup>	1800
Temperature Range	°C	-40 -> +200
Dropping Point	°C	no
Flash Point COC	°C	> 300
Heat Conductivity 20°C	W/(K·m)	0,7
heat capacity 20°C	kJ/kgK	1,03
Pack Size tube 100 g		+
Pack Size round box 1 kg		+
Pack Size drum 180 kg		+

*The indicated service temperatures are guide values depending on the lubricants composition and on the application. They may vary in case of special influences or ongoing use.*