

## heat transfer compound T-99



T-99 is a specialty heat transfer compound formulated to provide exceptional thermal stability and superior bonding strength up to 1000° C. Unlike other grades of heat transfer compounds, it is also electrically non-conductive. It is supplied in a ready to use paste like form and may be applied by hand troweling to fill TFK channels.

T-99 resists thermal and mechanical shock and provides an efficient heat transfer rate with a high bonding capability. In order to promote good surface wetting and intimate bonding, order to promote good surface wetting and intimate bonding, order to promote good surface wetting and intimate bonding, the surfaces of traced valves, pumps and other equipment must be prepared just as though a paint or primer is to be applied. Oil, grease, dirt, rust scale, mill scale, etc., must be removed. The use of solvents and emulsions along with scraping, chipping and wire brushing are common pretreatment techniques for steel surfaces.

Characteristic	Product Name	Packaging
<b>BASIC COMPOSITION:</b> fine non metallic particles  <b>COLOR:</b> Gray <b>Ph</b> : 12 <b>Freezing point</b> : 32 °F <b>Boiling point</b> : 214 - 216 °F @ 14.7 psi (760 mmHg) <b>Maximum exposure temperature</b> .....1832°F (1000°C) <b>Minimum exposure temperature</b> ..... -320°F (-196°C) <b>Minimum installation temperature</b> .....32°F (0°C) <b>Shelf life (unopened)</b> .....1 year <b>Nominal bond shear</b> ..... 425 lbs/in2 (31 kg/cm2 ) . <b>Water-soluble</b> ..... yes	<b>T-99</b>	(3.8 & 7.6-liter) pails

### Application

For use in heat tracing and various other applications to aid in the transfer of heat. T-99 heat transfer compounds are supplied in rugged resealable pails and have a standard shelf life of 1 year prior to opening. Compounds will harden when exposed to air or heat.

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