

Corrosion resistant, water insoluble and non-hardening heat transfer compounds



HTT[®] Heat Transfer Compounds

Non-hardening Series



Highlights

- **Highly thermal conductive**
 - **Corrosion protection for metal surfaces**
 - **Easy to install and disassemble**
 - **Remains pliable, no curing time, no cracking & exfoliation.**
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What is HTT non-hardening series of heat transfer compounds?

The non-hardening heat transfer compounds remain pliable after installation. With high adhesive strength and heat conductive rate, our non-hardening series compounds provide superior heat transfer performance without cracking and exfoliation. Heat transfer compound also known as heat transfer cement or heat transfer mastic.

HTT non-hardening series applications

HTT non-hardening series is flexible to broad range of applications. It is commonly applied in process heat tracing systems which is using steam, heat transfer fluid, or electric tracing cable. Also, it can be used in heat exchangers (such as clamp-on plate-type coil), cooling, food processing, environmental equipments and chemical machinery.

Key features:

- Can support working temperature up to 450°F.
- Remain pliable, no cracking and exfoliation due to pressure and liner expansion difference.
- No chemistry corrosion and etch proof to all metal surface.
- Insoluble in water. Can be used in moisture environment.

- Easy to disassemble
- Re-usable and environmental friendly.

available including NH550S, NH450S and NH450FD, which is food grade compound.



HTT NH series heat transfer compounds are corrosion resistant

PETT is committed to develop various industrial heat transfer materials. We also have AP series, and e-Tracing Booster series (for electrical heat tracing system) etc, for different kind of industrial heat transfer requirements.

Models of HTT Non-hardening heat transfer compounds



NH series heat transfer compounds have three models

HTT NH series heat transfer compounds are water insoluble

Table of HTT non-hardening heat transfer compounds

	Unit	NH450S ¹	NH450FD ¹
Thermal Conductivity	W/m.K	6 ~ 8	
pH		Neutral	
Operating Temp.	°F/°C	-40 ~ 450 / -40 ~ 232	
Water Soluble		No	
Curing		No curing time	
Chloridion		No	
Density	t/m ³	1.40	
Food Grade		No	Yes
Container ²		14 oz caulk cartridge, 0.9 gallon/5kg, 4.6 gallon/25kg	

Notes:

1. All HTT NH series compounds should NOT be exposed to open flames, organic solvent, and strong oxidizing agents.
2. Shelf life: indefinite. Keep container lid sealed when not in use.
3. Please follow installation instruction, no addition allowed.



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