

NH Nonhardening Heat Transfer Compound

Product Specifications

Application . . .

NH nonhardening heat transfer compound is used where thermal expansion and contraction could break the bond of a hardened compound. Thermon's heat transfer compounds provide an efficient thermal connection between the external heating source and the process equipment. Thermon's NH compound typically improves the overall heat transfer coefficient by a minimum factor of three. By eliminating the air voids that would ordinarily exist, heat is directed into the surface area primarily through conduction rather than convection and radiation.

Typically installed between plate-type heating coils or with systems that require periodic disassembly, NH remains pliable indefinitely, allowing the compound to expand and contract to meet the changing requirements for the application.

Specifications/Ratings . . .

Container sizes

NH-QT	0.946-litre cans
NH-100	3.79-litre cans
NH-500	18.93-litre cans
Maximum exposure temperature	190°C
Minimum exposure temperature	-196°C
Minimum installation temperature	
Ambient temperature	0°C
Product temperature ¹	≥93°C
Heat transfer coefficient, U	heater to tank wall 114-227 W/m ² •°C
Electrical resistivity	126 Ohm/cm
Shelf life	indefinite
Water-soluble	no

Benefits . . .

- Maintains high heat transfer rates on systems having significant differential expansion
- Requires no curing
- Nonsoluble in water
- No surface preparation required
- Remains pliable for easy disassembly
- Free design assistance

Note . . .

1. For best results, preheat surface of the plate-type coil or other equipment to same temperature as the NH compound (see installation instructions).



Description . . .

Nonhardening heat transfer compound is available in 0.946-litre, 3.79-litre and 18.93-litre cans.

NH is nonsoluble in most liquids. Compound remains pliable and requires no curing procedures.



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