



PRODUCT SPECIFICATIONS

NH Nonhardening HEAT TRANSFER COMPOUND

APPLICATION

NH nonhardening heat transfer compound is used where thermal expansion and contraction could break the bond of a hardened compound. 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.

Thermon's heat transfer compounds provide an efficient thermal connection between the external heating source and the process equipment. Thermon's NH compound 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.

SPECIFICATIONS/RATINGS

Container sizes

NH-QT.....

1-quart (0.946-liter) cans

NH-100.....

1-gallon (3.79-liter) cans

NH-500.....

5-gallon (18.93-liter) cans

Maximum exposure temperature.....

375°F (190°C)

Minimum exposure temperature.....

-320°F (-196°C)

Minimum installation temperature

Ambient temperature.....

32°F (0°C)

Product temperature

> 200°F (93°C)

Heat transfer coefficient, U_i

heater to tank wall

20-40 Btu/hr•°F•ft² (114-227 w/m²•°C)

Electrical resistivity

320 ohms/inch (126 ohms/cm)

Shelf life.....

indefinite

Water-soluble

no



DESCRIPTION

Nonhardening heat transfer compound is available in one-quart cans as well as one and five-gallon cans. NH is nonsoluble in most liquids. Compound remains pliable and requires no curing procedures.

BENEFITS

- Provides excellent heat transfer for systems having significant differential expansion
- Requires no curing
- Non-soluble in water
- No surface preparation required
- Remains pliable for easy disassembly
- Free design assistance

THERMON The Heat Tracing Specialists®



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