

Forane[®] 407A Refrigerant Basic Properties

Properties	Forane [®] 407A
*Average Molecular Weight (g/mol)	90.1
*Normal Boiling Point (NBP) (°F)	-49.0
*Latent Heat of Vaporization @ NBP (BTU/lb)	101.3
*Critical Temperature (°F)	180.1
*Critical Pressure (psia)	654.9
*Density of Saturated Vapor @ NBP (lb/ft ³)	0.30
*Density of Saturated Liquid @ 77 °F (lb/ft ³)	71.5
*Specific Heat of Saturated Vapor @ NBP (BTU/lb °F)	0.18
*Specific Heat of Saturated Liquid @ 77 °F (BTU/lb °F)	0.36
Ozone Depletion Potential (ODP) (CFC 11 = 1.0)	0
Global Warming Potential (GWP)	2,107
ASHRAE Safety Group Classification	A1
Occupational Exposure Limits (8 hr. time/wt. Avg.) (ppm)	1,000

*This data was generated using the NIST REFPROP Database
(Lemmon, E.W., Huber, M.L., McLinden, M.O. NIST Standard Reference Database 23: Reference Fluid Thermodynamic and Transport Properties-REFPROP, Version 9.0, National Institute of Standards and Technology, Standard Reference Data Program, Gaithersburg, 2010)

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