

Data of HCFC-123

chemical formula CHCl2CF3

molecular formula 152.931

boiling point at atmosphere pressure 300.84K

solidifying point at atmosphere pressure 166K

density of saturated liquid(25C) 1462.2kg/m³

volume of saturated vapor(25C) 0.16898m³/kg

isobaric specific heat

saturated liquid(25C) 0.9593kJ/(kg·K)

saturated vapor(25C) 0.7047kJ/(kg·K)

specific heat ratio of vapor (300.848K, 101.325kPa)

1.1098

heat of vaporization(300.848K) 168.41kJ/kg

thermal conductivity

saturated liquid(25C) 76.3mW/(m·K)

vapor(25C, 101.325KPa)

coefficient of viscosity

saturated liquid(25C) 419.3mPa·s

vapor(50C, 101.325KPa) 11.7mPa·s

surface tension(25C) 15.0mN/m

index of refraction :saturated liquid(283.15K) 1.3365

electrical conductivity : $1.0 \times 10^{-8} \text{W}^{-1} \text{m}^{-1}$

dielectric constant :saturated liquid(25C) 4.671

breaking ozone<0.005

color: no color