



Refrigerant Gas R507

Product Name	Mixed Refrigerant R507
Chemical Family	Hydrofluorocarbons
Chemical Formula	C ₂ HF ₅ / C ₂ H ₃ F ₃
Chemical Name	Pentafluoroethane(HFC-125)/1,1,1-Trifluoroethane(HFC-143a)

Application

Retrofit for R22 and R502 in the area of centrifugal, rotary screw, scroll and reciprocating compressors.

Specification

Purity	99.90% min
Moisture	10PPM max
Acidity (ASCL)	1PPM max
Evaporating residue	100PPM max
Non-condensable gas	1.5% max
Total Fluorinated	40ppm max

Lubricant

RAG and POE oil

Chemical & Physical Data

Appearance/Odor	Colorless liquefied gas with faint ether odor
pH	NA
Specific Gravity	1.08@25°C/77F
Vapor Pressure	1.13Mpa@25°C/77F
Vapor Density	3.43 kg/m ³
Melting Point	NE
Freezing Point	NE
Boiling Point	-46.7°C
Solubility In Water	Negligible
Percent Volatile	100
Molecular Weight	98.86