



REFRIGERANT

HYDROCARBON BLEND REFRIGERANT

K-10 Refrigerant

K-10 Refrigerant is a drop-in hydrocarbon refrigerant for R12 & R134a for a variety of applications

Applications

Domestic Refrigerators & Freezers

Replacing R134a in a system with K-10 Refrigerant

Replace drier if one is present in existing system

Component Changes Required

Drier	Replace
Thermostatic expansion valve	May require super heat adjustment or a change may be required depending on the system
System Charge	Charge with 30% of rated R134a charge



Suitable Elastomeric Materials

Material	Recommendation
Neoprene	Suitable
Viton	Suitable
Nitrite Rubber	Many grades are Suitable
PTFE	Suitable
Nylon	Suitable

NOTE: Care should be taken on systems with Thin Wall Barrier Hose



Physical Properties

		K-10	CFC12	HFC 134a
Boiling Point:	0°C	-12	-29.93	-26.5
Molecular Weight:		58.12	120.93	102.23
Heat of Vaporization @ 0°C (kj/kg)		350	149.8	198.7
Stability:	Thermal:	Stable	Stable	Stable
	Chemical:	Stable	Stable	Stable
Errosive:		No	No	No
Flammability:	(LFL & UFL, %)	1.85 ~ 8.5	NONE	NONE
Auto Ignition Point:	°C	~460 - ~470	NONE	750
Toxicity:		No	NO	YES
GWP: (Global Warming Potential)		3	8,100	1,300
ODP: (Ozone Depleting Potential)		0	1	0
Lubricant:		Mineral/PAG/PAO	Mineral	PAG

Distributed By:



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