



An ISO 9001:2015 Certified Co.

## Product Data Sheet

### DC Carbon Dioxide (R744) Miscible Refrigerant Compressor Oil

- ISO Designation: ISO-L-DRF
- ISO Viscosity Grades: 15,22,32,46,68,100
- Performance Standards: ISO 6521-3: 2019, ISO 6743-3: 2003, IS 11159-4: 2011, IS 4578: 1997
- Usage Guidelines: Mobile air conditioning. Residential and commercial air conditioning and heat pump.
- Composition: Base Oil Group II, Additives: Specially Formulated Compressor Oil Additive Package (0.4 to 4%)

S.No	Characteristics	Test Method	15	22	32	46	68	100
1	Kinematic Viscosity @40°C, cSt, range		13.5 to 16.5	19.8 to 24.2	28.8 to 35.2	41.4 to 50.6	61.2 to 74.8	90 to 110
		IS 1448 P:25						
2	Flash Point, Cleveland (open) cup, °C, min	IS 1448 P:69	140	140	150	150	160	190
3	Pour Point, °C, max	IS 1448 P:10	-39	-36	-30	-24	-24	-24
4	ASTM Colour, max	IS 1448 P:12	0.5	0.5	0.5	0.5	0.5	1
5	Total Acidity, mg of KOH/g of oil, max	IS 1448 P:2	0.05	0.05	0.05	0.05	0.05	0.05
6	Inorganic Acidity, mg of KOH/g of oil	IS 1448 P:2	Nil	Nil	Nil	Nil	Nil	Nil
7	Ash Content, % by mass, Max	IS 1448 P:4	0.01	0.01	0.01	0.01	0.01	0.01
8	Copper Strip Corrosion, 100°C, 3 hrs	IS 1448 P:15	1	1	1	1	1	1
9	Water Content	IS 4578-A	passes crackle test					

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