



An ISO 9001:2015 Certified Co.

Product Data Sheet

DC Hydrofluorocarbons (HFCs) Immiscible Refrigerant Compressor Oil

- ISO Designation: ISO-L-DRC
- 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: Domestic refrigeration. Residential and commercial air conditioning and heat pump. Bus air conditioning systems.
- 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 | IS 1448 P:25 | 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 |
| 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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