

Introduction

FOT- 1230 (FK-5-1-12), full chemical name Dodecafluoro-2-methylpentan-3-one, is a sustainable substitute for Halon 1301 with excellent fire extinguishing performance and typical safety & environmental characters of:

- ✓ Clean and do not leave residue.
- ✓ Electrically nonconductive.
- ✓ Safe for people and animal.
- ✓ Zero ODP and low GWP.



FOT-1230 (FK-5- 1-12) material specification is in compliance with NFPA 2001 (Standard on clean agent fire extinguishing systems) and ISO 14520 (Gaseous fire extinguishing systems).

Properties

Chemical Name	FK-5-1-12
Empirical Formula	$CF_3CF_2C(O)CF(CF_3)_2$
CAS Number	756-13-8
Molecular Weight	316.04
Boiling Point	49°C
Freezing Point	-108°C
Viscosity Liquid (25°C)	0.524Cp
Vapor Pressure (25°C)	40.4KPa
Extinguish Concentration (Cup)	3.5%
NOAEL (V/V)	10%
LOAEL (V/V)	>10 %
LC50 (V/V)	>10%
Ozone Depleting Potential	0
GWP	1

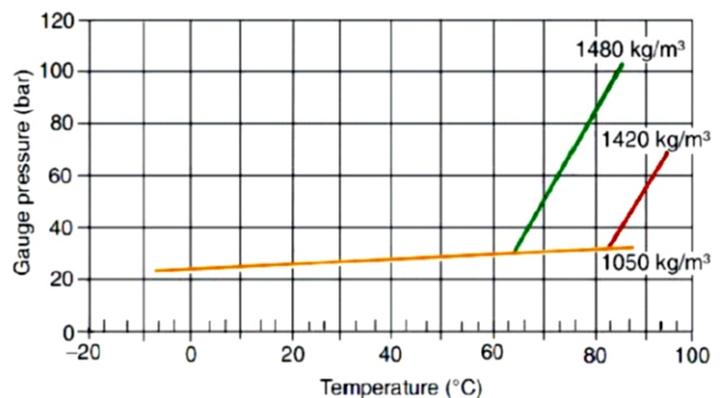


Quality Control

- ✓ Four times of UL follow-up service every year.
- ✓ All performance is strict to act as ISO9001:2008.
- ✓ Our quality control program is supported by advanced analytical facilities, which help to ensure that all raw materials, in-process materials and finished products are quality controlled at all stages.

Filling Curve

Isometric diagram of FK-5-1-12 pressurized to 25 bar, gauge at 20°C.



Packing

Plastic-lined Steel Drum.

Application

FK-5-1-12 fire suppression agent is a sustainable substitute for Halon 1301. It is particularly useful in computer rooms, data processing centers, semiconductor manufacturing facilities, industrial process control rooms, petrochemical facilities, chemical storage rooms, libraries and museums, critical military applications and so on.