

Universal Type Foam Extinguishing Agent

(Model: HMLF3%, HMLF6%)

This extinguishing agent is universal type foam concentrate. Its model is HMLF. HMLF can be used as low expansion, medium expansion & high expansion foam concentrate. It is adaptable for use in various low-expansion, medium-expansion and high-expansion foam generators.

When HMLF is used in high expansion foam generator, Then its performance equals YEGZ (high expansion foam concentrate), When HMLF is used in medium expansion foam generator, then its performance equals YEZ (medium expansion foam concentrate), Also when HMLF is used in low expansion foam generator, then its performance equals common low expansion foam concentrate like AFFF.

And HMLF can be used with seawater, HMLF is available at -15°C .

The Universal Type Foam Extinguishing Agent (HMLF) can be used in combination with powder extinguishing agents and can be used to extinguish nonwater-soluble flammable liquids.

It is widely used in fire protection and fire extinguishing in airports, oilfields, oil depots, underground tunnels, hangars, underground oil depots, garages, ships and coal mines. These extinguishing agents exhibit greatest effectiveness when they are used to cover large areas of drifting nonwater-soluble flammable liquids.

Mixture ratio:

HMLF3%:Mix three parts HMLF3% to ninety-seven parts water.

HMLF6%:Mix six parts HMLF6% to ninety-four parts water.

Flow Temperature:

Normal grade: ≤ -7.5 degrees C

Cold-resistant Grade: $-12.5 \sim -25$ degrees C

Packaging, Transportation and Storage Requirements

Package and transport in 25 L, 50 L, and 200L plastic drums

Avoid mixing with other chemical or foam extinguishing agents during shipment and storage.

Keep the agents cool during shipment and storage: -2.5 degrees C to 49 degrees C

Avoid storing in direct sunlight.

Technical Specification

1 Specific Gravity (g/cm³) (20°C) : 1.00~1.05

2. Appearance : pale yellow liquid

3. Chemical family : surfactant mixture firefighting

4. PH: 6.5-8.5

5. Sediment % V/V ≤ 0.25

6. Compatibility : different types of foam concentrate should not be mixed under any circumstances

7. Freezing point : $\leq - 15^{\circ}\text{C}$

8. Stability : stable

9. Expansion : $8.0\pm 20\%$ (low-expansion foam)
 ≥ 50 (medium-expansion foam)
 ≥ 201 (high-expansion foam)

10. 25% drainage time : (minutes) $5.5\pm 20\%$ (low-expansion foam)
50% drainage time : (minutes) $6.0\pm 20\%$ (medium-expansion foam)
50% drainage time : (minutes) $7.0\pm 20\%$ (high-expansion foam)

11. Manufacturing date : not more than six months of placing the order

12. Unit of measurement: liter

13. Storage temperature: $-2.5^{\circ}\text{C} \sim 49^{\circ}\text{C}$

14. Fire extinguishing Time (min)
 ≤ 3 (min) (low-expansion foam)
 ≤ 120 (sec) (medium-expansion foam)
 ≤ 150 (sec) (high-expansion foam)

(Remark: The area of the fire test pan is 4.52 m^2 , 1.73 m^2 the fuel is 150 liters and 60 liters petrol)

15 GOOD COMPATIBILITY WITH DRY CHEMICAL POWDER