

Firefighting Foam Bioline % 3X6 FFFP-AR

100059

Bioline %3X6 FFFP-AR Avalanche is a high efficiency multipurpose alcohol resistant film forming fluoro protein foam concentrate. Bioline AR-FFFP is a liquid based on environmentally friendly natural.

Its high fluidity makes the induction easier and accurate through both portable and fixed inline proportioners even at extremely low temperatures. The advantage of Bioline AR-FFFP is the 3% induction ratio on all class B fires including polar solvents in fresh or seawater. The main advantage of Bioline %3X6 FFFP-AR is the 3% induction ratio on hydrocarbon fires and 6% on polar solvents.

The low surface tension of the water foam concentrate solution enables the aqueous film, although heavier than the burning liquid, to float on top of the hydrocarbon fuel surface. The specially selected fluorocarbon surfactants 'seal' the bubbles against attack from polar solvents and also provide a highly effective floating foam layer on top of the polar solvents.

Fire Performance & Foaming:

Bioline %3X6 FFFP-AR has been designed to give the best properties of:

- Aqueous film forming foam
- Alcohol resistant foam

The foaming properties are depending on equipment used and other variables such as water and ambient temperatures. Average expansion 6:1, average $\frac{1}{4}$ drainage time 04:30 minutes using UNI 86 test nozzle.

Proportioning:

Bioline %3X6 FFFP-AR can easily be proportioned at the correct dilution using conventional equipment such as:

- Inline inductors
- Balanced pressure, variable flow proportioning systems
- Bladder tanks
- Around the pump proportioning systems
- Water turbine driven foam proportioners
- Self inducing branch pipes and nozzles

The equipment should be designed to the foam type.

Storage / Shelf life:

Stored in original unbroken packaging the product will have a long shelf life. Shelf life in excess of 10 years will be found in temperate climates. As with all foams, shelf life will be dependent on storage temperatures and conditions. If

the product is frozen during storage or transport, thawing will render the product completely usable. We recommend following our guidelines for storage and handling ensuring favourable storage conditions.

Technical specifications

| Properties | Value |
|-------------------------|-----------------|
| Form | Viscos Liquid |
| Color | Dark brown |
| pH | 6 - 8,5 |
| Solubility | 100 % |
| Specific gravity @ 20°C | 1.05 - 1.2 g/ml |
| Freezing point | - 5 °C |

