

### DESCRIPTION

POLYFILM 9 is a fluoroproteinic FFFP-AR foam concentrate 3X6.

The combination of protein, fluorinated surfactants and hydrophilic natural polymers provides a proteinic FFFP-AR foam concentrate with very high efficiency.

The film-forming property FFFP gives to POLYFILM 9 a high speed of extinction on hydrocarbon fires thanks to the aqueous film which insulates the fuel surface from the air.

POLYFILM 9 is pseudoplastic : its viscosity decreases when it is agitated. This property authorizes its use even at low temperature and low pressure.

▲ **Foaming power** : POLYFILM 9 is usable at Low and Medium Expansion.

▲ **Fuel fires** : POLYFILM 9 is efficient on hydrocarbon and polar solvents fires.

▲ **Environment** : POLYFILM 9 is easily biodegradable.



### PHYSICAL DATA

Appearance	brown gel
Specific gravity at 20°C	1.06 ± 0.02 Kg/dm <sup>3</sup>
pH at 20°C	7.0 ± 1.0
Viscosity* at 20°C	900 ± 200 mPa.s
Sediments	< 0.25 %
Surface tension at 3 %	17 ± 2 mN/m
Interfacial tension at 3 %	2 ± 1 mN/m
Freezing point	- 12°C
Temperature of use	- 10°C / + 50°C

\* *Viscometer Brookfield ; spindle #4 ; 60 rpm*

### FOAM QUALITY

#### Concentration of use at 3 %

Low Expansion	> 7*
Drainage time 25 %	> 5 minutes
Medium Expansion	> 30*

#### Concentration of use at 6 %

Low Expansion	> 8*
Drainage time 25 %	> 10 minutes
Medium Expansion	> 50*

\* *Foam expansion values depend on the equipment*

### PERFORMANCES & APPLICATIONS

POLYFILM 9 complies with standards :

▲ EN 1568-3 ■ EN 1568-4

▲ Navy : Bureau Veritas certificate

POLYFILM 9 can be used with tap water, sea water and brackish water at 3% on hydrocarbon fires and at 6% on polar solvents fires.

It is compatible with dry extinguishing powders and it is suitable with all kind of known equipment.

### WARRANTY & SERVICES

POLYFILM 9 has a 5 years warranty in its original packaging and at storage temperatures -30°C/+60°C.

Our Quality Control Laboratory offers its analytical expertise BIO-LAB.

Safety Data and Environment Data are available upon request : [contact@bio-ex.fr](mailto:contact@bio-ex.fr)