

### DESCRIPTION

FILMOPOL 3X6 is a fluorosynthetic foam AFFF-AR 3X6. The film-forming property AFFF gives to FILMOPOL 3X6 a high speed of extinction on hydrocarbon fires thanks to the aqueous film which insulates the fuel surface from the air.

The Alcohol-Resistant property produces a thick layer – skin – if applied on any kind of fuels. The peculiar nature of our fluoropolymer gives outstanding burnback resistance.

FILMOPOL 3X6 is pseudoplastic : its viscosity decreases when it is agitated. This property authorizes its use even at low temperature and low pressure.

- ▲ **Foaming power** : FILMOPOL 3X6 is usable at Low, Medium and High Expansion.
- ▲ **Fuel fires** : FILMOPOL 3X6 is efficient on hydrocarbon and polar solvents fires.
- ▲ **Environment** : FILMOPOL 3X6 is easily biodegradable.



### PHYSICAL DATA

Appearance	white gel
Specific gravity at 20°C	1.00 ± 0.02 Kg/dm <sup>3</sup>
pH at 20°C	7.0 ± 1.0
Viscosity* at 20°C	1900 ± 200 mPa.s
Sediments	< 0.1 %
Surface tension at 3 %	16 ± 2 mN/m
Interfacial tension at 3 %	2 ± 1 mN/m
Freezing point	0°C
Temperature of use	+ 2°C / + 50°C

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

### FOAM QUALITY AT 3%

Low Expansion	> 7*
Drainage time 25 %	> 6 minutes
Medium Expansion	> 30*
High Expansion	> 300*

### FOAM QUALITY AT 6%

Low Expansion	> 8*
Drainage time 25 %	> 30 minutes
Medium Expansion	> 100*
High Expansion	> 600*

\* *Foam expansion values depend on the equipment*



### PERFORMANCES & APPLICATIONS

FILMOPOL 3X6 complies with standards :

- ▲ EN 1568-1 ■ EN 1568-2 ■ EN 1568-3 ■ EN 1568-4
- ▲ Navy : Bureau Veritas certificate

FILMOPOL 3X6 can be used with tap water, sea water and brackish water at 3% on hydrocarbon and at 6% on polar solvents fires as well as on special chemicals : acids, HF, HCl, amines, Butadiene, CS<sub>2</sub>...

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

### WARRANTY & SERVICES

FILMOPOL 3X6 has a 10 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)