



Petrofilm

Film-Forming
Fluoroprotein Foam FFFP



FOR HYDROCARBON FIRES
Low and medium expansion

Petrofilm is a film-forming fluoroprotein foam specially designed to enhance the combination between fluorosurfactants and protein to provide a fast control and extinguishment on hydrocarbon fires.

APPLICATION

PETROFILM foam is based on advanced protein foam technology.

Fluorochemicals surface active agents combined with the protein base provide a fast control and extinguishment by the vapour sealing aqueous film.

The protein base material provides a cohesive foam blanket with a high resistance to fuel pick-up and heat.

- **Film-forming** for fast flame knockdown and extinguishment
- **Stable foam blanket** for high burnback resistance
- **Foam blanket** re-seals when accidentally ruptured

CONCENTRATION USE

PETROFILM 6 : ... 6 %
PETROFILM 3 : ... 3 %

APPLICATION

By its high resistance to fuel pick-up, **PETROFILM** can be used in forceful application and base injection systems.

TYPICAL USES

PETROFILM is perfectly adapted to be used in high risks situations:

- **Hydrocarbon liquid fires** (storage, process and transport)
- **Fires which require fast action**
- **Storage tanks and secondary containment fires.**
- **Offshore platforms**

SPECIFICATIONS

PETROFILM conforms to the EN 1568-1-3 standards with the following ratings:

1568-3 Class I Burnback Level A
1568-1*

PARTICULAR QUALITIES

- Film-forming
- Sea water compatibility
- Frost resistance

ICAO Level B for **Petrofilm 3 and 6.**

GENERAL CHARACTERISTICS

(According to NF EN 1568 standards)

Foam concentrate

	PETROFILM 6	PETROFILM 3
Specific gravity	1.125 kg/l	1.135 kg/l
pH at 20° C	7.0	7.0
Viscosity at 20° C	5 mm ² .s	8 mm ² .s
Pour point	≤ -9° C	≤ -12° C
Sediment rate	≤ 0.1 %	≤ 0.1 %
Surface tension	17 mN/m	17 mN/m
Interfacial tension on cyclohexane	5 mN/m	5 mN/m

Foam

	PETROFILM 6	PETROFILM 3
Low expansion	8	7,5
Drainage 25 %	3 min 00	2 min 30
Medium expansion	60	55
Drainage 50 %	2 min 30	2 min 30

* internal control tests