FILMOPOL 3X6

**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.

![Image of FILMOPOL 3X6 in action](image)

**PHYSICAL DATA**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>white gel</td>
</tr>
<tr>
<td>Specific gravity at 20°C</td>
<td>1.00 ± 0.02 Kg/dm³</td>
</tr>
<tr>
<td>pH at 20°C</td>
<td>7.0 ± 1.0</td>
</tr>
<tr>
<td>Viscosity* at 20°C</td>
<td>1900 ± 200 mPa.s</td>
</tr>
<tr>
<td>Sediments</td>
<td>&lt; 0.1 %</td>
</tr>
<tr>
<td>Surface tension at 3%</td>
<td>16 ± 2 mN/m</td>
</tr>
<tr>
<td>Interfacial tension at 3%</td>
<td>2 ± 1 mN/m</td>
</tr>
<tr>
<td>Freezing point</td>
<td>0°C</td>
</tr>
<tr>
<td>Temperature of use</td>
<td>+ 2°C / + 50°C</td>
</tr>
</tbody>
</table>

*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 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, CS₂...

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

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**TECHNICAL DATA**

Date: 28/04/14 #0

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