



FIRE EXTINGUISHING AGENT DRY CHEMICAL POWDER HIMIFOS® ABC 40 % MAP

DESCRIPTION

HIMIFOS® ABC 40 % MAP is a multipurpose, monoammonium phosphate based, dry chemical powder that is treated with flow promoting and moisture repellent additives during manufacturing. Extinguishing powder HIMIFOS® ABC 40 % MAP has a long shelf life in original package and is suitable for charging fire extinguishers, fixed fire extinguishing systems and fire fighting vehicles. It is very effective on fires involving ordinary combustible materials such as wood, paper, cotton, rubber, many types of plastics as well as fires involving flammable liquids and energized electrical equipment up to 1000 V. Because of its versatility HIMIFOS® ABC 40 % MAP is most suitable for use on combination fires involving Class A, B or C type fires together. HIMIFOS® ABC can be produced in yellow, blue and purple color.

TECHNICAL DATA

Bulk density (EN 615)	0.97 g/ml ± 0.07 g/ml
Sieve analysis (EN 615 method 2):	> 40 µm 20 % ± 8 % > 63 µm 30 % ± 8 % > 125 µm 20 % ± 5 %
Chemical composition:	
➤ Monoammonium phosphate	40 ± 2
➤ Ammonium sulphate	44 ÷ 54
Temperature stability	-60°C to +80°C

APPROVALS

HIMIFOS® ABC 40 % MAP is officially tested in accordance with EN 615 and certified in the Republic of Bulgaria

APPLICATION

Applicable in the following industries – Fire Brigades, Military Industry, Oil & Gas Industry, Aviation, Railway transport, Petrochemical Industry, Wood Processing Industry, Textile Industry, Processing of Rubber and Plastic products, Automotive Industry

EXTINGUISHING MECHANISM

When HIMIFOS® ABC 40 % MAP is introduced directly into the fire area it causes the fire to go out by forming a barrier (coating) that eliminates oxygen and thereby completes the extinguishing process and prevents reignition.

FOAM COMPATIBILITY

HIMIFOS® ABC 40 % MAP dry chemical powder is considered foam compatible.

LIMITATIONS

Per NFPA Standard 10 Portable Fire Extinguishers, ABC dry chemical powder is not recommended for use on fires involving cooking grease or vegetable oils.



DYAYAN PROTECTION

DRY CHEMICAL FIRE EXTINGUISHING POWDERS AND FOAM COMPOUNDS



ISO 9001:2015

STORAGE

Store HIMIFOS® ABC 40 % MAP in original adapted to the intended storage time.
Store dry in original packages, hermetically sealed.
Max. stack height: 1 m
Storage temperature: 0°C to 45°C

PACKING

- ❖ For short term storage up to one year:
Strong polyethylene-lined paper bags of 25kgs content.
- ❖ For long term storage or sea transport:
Plastic drums with inner polyethylene bags of 200kgs content.
- ❖ For economical bulk shipment:
Non-returnable big bags of 1.000kgs content.

All a.m. packages will be shipped on non-returnable pallets, shrink-wrapped.
Other types of packing upon request.

CAUTION

Never mix monoammonium phosphate based fire-extinguishing agents with bicarbonate-based agents in any fire extinguisher due to a chemical reaction that may occur.