



ABC 40 (40% MAP)

(Centrimax / Isocomp)

Class ABCE Powder

Description

ABC40 is a general purpose dry chemical powder with a good efficiency in fires of class A, B, C, D, and E (up to 1,000 volts).

ABC40 is a mixture of highly efficient mono-ammonium phosphate and ammonium sulphate ground to selected particle sizes and made resistant to influences of climatic extremes by means of flow promoting and moisture repellent additives.

Typical physiochemical properties

Appearance	A fine, free flowing powder
Apparent density	minimum 0.80 kg/cu dm
MAP	38 – 42%
Moisture content	Less than 0.25%
Maximum particle size	0.355mm
Particle size	> 63 mic Max 40%
Corrosion & abrasion effect	Not corrosive or abrasive
Water repellency	> 2 hours
Temperature stability range	-60°C to +60°C

Extinguishing mechanism

In addition to the particle surface extinguishing effect of a Class B powder, Class ABCE powders have low melting/decomposition points in the order of 150°C to 180°C, and when these powders are applied to hot and smouldering surfaces, the particles fuse and swell to form a barrier which excludes oxygen and thereby completes the extinguishing process and prevents re-ignition.

Quality control and approvals

Kerr powders are manufactured according to European Standard EN615 (1995). Manufacturing process and quality control systems have been approved to BS.EN.ISO 9001 (2000).

Continued overleaf

Kerr Fire Fighting Chemicals

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Packaging

Kerr powders are available in a range of pack sizes and styles. **ABC40** powder is packed in individual extinguisher size cartons ranging from 1 kilo to 12 kilo. For bulk filling, they can be supplied in 25 kilo multiwall paper sacks, stretch wrapped on pallets of 1000 kilo. These packages are suitable for containerised shipment.

Powders can also be supplied in 1000 kilo Big Bags to simplify handling and to feed into extinguisher filling machine hoppers. This packaging is also suitable for containerised shipment

Storage

Kerr powders are formulated not to be affected by long term storage. However, although all powders are stable at low temperatures, there are upper temperature limits for storage which will depend on the chemical nature of the particular powder. As a general guide, temperatures of 50°C should not be exceeded.

Powders should be stored in a dry location in original packaging until required for use.

Shipping specification

The following table is intended as a guide for typical size packaging for **ABC40** powder.

	Gross Weight (kg)	Dimension (cm)
25kg multiwall paper sacks per 1000kg nett	1023	100 x 120 x 100
1000kg Big Bag per 1000kg nett	1023	100 x 120 x 100

Performance

Subject to extinguishing quality the minimum expected fire rating obtained using **ABC40** in a 6 kg portable fire extinguisher is:- 27A / 183B

www.kerr-firefighting.com

Non-warranty

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