

Powermite® MAX AG

Firedamp Safe Cap Sensitive Emulsion Explosive

Technical
Information



Properties

Density (g/cm ³)	1.06
Energy (MJ/kg)	2.35
Gas Volume (lt/kg)	710,83
Detonation Temperature (°C)	1684.97
V.O.D. (m/s)	5000*
Water Resistance	Excellent
Shelf Life	6 Months
Storage Temperature Limits	-10 °C / +40 °C

* in 50 mm steel pipe

** All values can show ±3% variance.

Hazardous Shipping Description

U.N. 0241
Explosive, Blasting, Type E
Class: 1.1D



CE 1019



Product Description

POWERMITE® MAX AG series is a cartridge emulsion explosive with diameter of 32 mm, a length of 31-32 cm and weight of 300 g. It has been specially developed for underground coal mines and it is firedamp safe and does not cause methane and coal dust explosions. The product has undergone comprehensive testing, demonstrating resilience even under methane concentrations of up to 9.8%. POWERMITE® MAX AG has a negative oxygen balance, making it impossible to emit deadly NOX gases after blasting and reducing ventilation time in general. Additionally, The natural water resistance ensures a high degree of effectiveness, ensuring successful results and optimum performance in both dry and wet blasthole conditions.

Application Recommendations

POWERMITE® MAX AG is used as a feeder and main charge in underground coal mining with a hole diameter of 38-64 mm, in all underground mine with methane risk and in development drifting. It is recommended to add a maximum of 3 cartridges per hole, equivalent to 900 g.

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Priming Requirements

POWERMITE® MAX AG is formulated to be detonated with a 100% copper shell capsule.

Handling, Transportation

The product must be transported in accordance with local and national regulations or directives/guidelines from authorities. No smoking, fire, sparks or welding. No source of ignition. Keep product clean and free from contamination.

Storage

Store in cool, dry, well-ventilated location. Store in compliance with local and national regulations or directives/guidelines from authorities. No smoking, fire, sparks or welding. Must not be stored with flammable substance and ignition sources.

Safety Instructions

If not stored, handled or used properly, explosives may cause harm to humans or the environment. All types of explosives shall be stored, handled and used in compliance with laws and regulations.

PACKAGING

Cartridge Diameter (mm)	32
Cartridge Length (mm)	320 - 330
Cartridge Weight (g)	300
Cartridges in box	60
Box Weight (kg)	18
Box Dimensions (mm)	285 x 355 x 255

± 3% Weight variance

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