

Powermite[®] MAX

Detonator Sensitive Explosive

Technical Information



Product Description

POWERMITE MAX 24 mm is a detonator sensitive emulsion explosive. The product is packaged with a plastic tube and used for face contour holes during shots. The lock mechanism enables all tubes to get interlocked and provides a charge series without any disruption. Due to its low diameter value, the air gap between the product and the hole diameter acts as a control mechanism to reduce the detonation energy, which limits damage to face walls and ceiling that can be caused by the detonation shock and prevents over waste and over excavation works.

POWERMITE MAX 24mm can be used for all formations and holes regardless of the water level.

Application Recommendations

POWERMITE MAX 24mm is used as the main charge for perimeter blastholes with a hole diameter of 32-45 mm in underground blast applications in underground metal mining, tunnel and underground channel construction projects, etc.

Properties

Density (g/cm ³)	1.05 - 1,10
Energy (MJ/kg)	4,56
Gas Volume (lt/kg)	813
Detonation Temperature (°C)	2814
V.O.D. (m/s)	5000*
Water Resistance	Excellent
Shelf Life	6 Months
Storage temperature limits	-10 °C / +40 °C

* 38mm steel pipe

** All values can show ±%3 variance.

Hazardous Shipping Description

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



CE 1019



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Priming requirements

Powermite is formulated to be sensitive to a No.8 strength detonator or 5g/m detonating cord. The preferred method of initiation is via the NONELDET® system. When inserting the detonator into cartridge always use a wooden skewer, not the detonator, to break the plastic film. The detonator should be inserted into the Powermite cartridge at right angles to the rock surface.

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 substances 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)	24
Cartridge Length (mm)	495-500
Cartridge Weight (g)	250
Cartridges in box	80
Box Weight (kg)	20
Box Dimensions (cm)	300X580X300

±%3 weight variance

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