

Technical Information



Python perimeter

Tube charge for perimeter blasting in mine development

Description

Python perimeter is a water gel explosive presented in a tube form. It's design application is as a decoupled perimeter charge for situations typically found in development headings underground. Initiated by a detonator/primer, it has a high VOD that ensures the optimum performance of the explosive column in all applications.

Applications

Python perimeter is designed as a decoupled perimeter charge. It is most suited to underground development operations where smaller diameter holes are drilled. The range of diameters offered make it suitable for use in lifters as well as wall and back holes.

Features

- The high VOD formulation enhances performance.
- The range of diameters offered match more closely the diameter of many holes currently drilled in development headings, thus improving overall performance
- The range of product diameters available covers contemporary development heading drill hole diameters.

Properties

Explosives Class: 1.1D	U.N. No: 0241
Density (g/cc)	1.15
Velocity of Detonation	
Water gel (m/s)	4300
Water Resistance	Excellent
Shelf Life	12 months from DOM, subject to being stored in cool dry conditions

Recommendations

Uses – For use as a decoupled perimeter charge

Priming - A minimum No. 8 strength detonator is required for reliable initiation, however for best performance a primer is recommended.

Water Resistance – Python perimeter has excellent water resistance.

Temperature Range - Recommended for use in ambient temperatures up to 55°C. Special formulations are available upon request for high temperature and/or reactive ground situations

Shelf Life – Python perimeter has a design shelf life of one (1) year, when transported and stored under ideal conditions.

Sleep Time - The maximum sleep time is dependent on ground conditions, however the sleep times of other explosives used in the shot may be the limiting factor overall. Loading and firing when ready is the recommended practise.

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Packaging

Python perimeter is produced in 25kg cases.

Diameter/length (mm)	Charge mass per metre (gm)	Quantity (tubes per case)	Case Weight (kg)
29 x 4,000	875	7 (28m)	25
19 x 4,000	325	18 (72m)	25

Safe handling, transportation & storage

First Aid – Please refer to the relevant EMS Material Safety Data Sheet.

Safety - All explosives are classified as dangerous goods, and must be handled and stored with care. Misuse may result in personal injury and damage to property.

Transportation and Storage - All explosives must be handled, transported and stored in accordance with statutory regulations.

The information and suggestions contained in this document concern explosive products that should only be dealt with by persons having the appropriate technical skills, training and licence. The results obtained from the use of such products depend to a large degree on the conditions under which the products are stored, transported and used.

While EMS makes every effort to ensure the details contained in the document are as accurate as possible, the conditions under which the products are used are not within its control. Each user is responsible for being aware of the details in the document and the product applications in the specific context of the intended use. If technical advice is required in the specific application of the products then you should contact EMS for assistance.

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