

Technical Information



Python Pre-Split RG

Continuous Pre-split Product

Description

Python Pre-Split is a watergel explosive presented in a continuous cartridge form. It is chemically formulated to inhibit exothermic reactions with identified reactive ore bodies. It's design application is trim blasting perimeter walls ahead of the main shot. Initiated by a detonator, it has application specific 11 g/m detonating cord running internally through the entire length of the product. This ensures complete functioning of the length of the cartridge.

Application

Python Pre Split RG is designed specifically for use in pre split blasting, and formulated for use in reactive areas. It is most suited to hard rock operations where smaller diameter holes are drilled. This "inhibited" version of the product is suitable for reactive ground conditions.

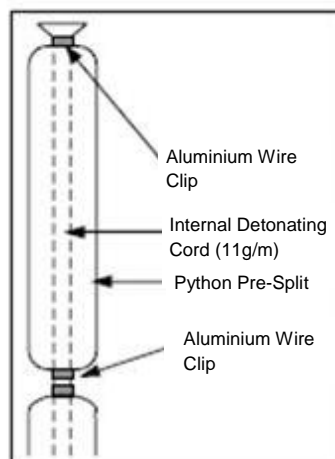
Features

- The continuous cartridge form results in complete lateral decoupling in the borehole.
- The internally located detonating cord provides a high VOD with low volumes of gas generated, thus perfectly suited to the design requirements of a pre split shot.
- The range of product diameters available covers most hard rock pre split designs.
- Available in standard and "inhibited" formulations (for reactive ground conditions).

Properties

Explosives Class: 1.1D	U.N. No: 0241
Density (g/cc)	1.15
Velocity of Detonation ¹	
Watergel(m/s)	4300
Detonating Cord (m/s)	6500
Water Resistance	Excellent

¹VOD of product is dependent on VOD of detonating cord



Technical Information



Recommendations

Use – Presplit shots need to be drilled such that the resulting explosive distribution suits local geological conditions. Python Pre Split RG is an “inhibited” formulation for reactive ground conditions.

Priming - A minimum No. 8 strength detonator is required for reliable initiation.

Water Resistance – Python Pre-Split product has excellent water resistance.

Temperature Range - Recommended for use in ambient temperatures up to 55°C.

Shelf Life – Python Pre-Split 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.

Packaging

Python Pre-Split is produced in 19kg cases. All weights quoted include the internal 11g/m detonating cord.

Diameter Mm	Charge Kg/m	Quantity m/case	Case Weight Kg
26	0.6	27.0 m (nom)	19
32	0.9	17.6 m	19
38	1.3	TBA	19

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.

EMS makes no warranties in relation to the products it sells other than those implied by law. Except to the extent determined by law, EMS bears no risk, responsibility or liability arising from the use of the products and the information in this document by the buyer or user of the products.

EMS. Reproduction without permission strictly prohibited.

VERSION NO.: RG (4).
Last Updated: 03/13



Explosives Manufacturing Services

PO BOX 8222, Kalgoorlie, WA 6430
Tel: +61 8 9021 3628 Fax: +61 8 9022 4782
E-mail: ems.kalgoorlie@bigpond.com
ABN 30 070 149 129