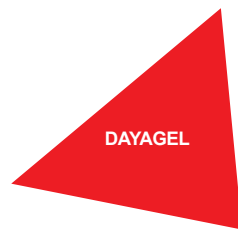


✓ The First and Only Plant in Indonesia



DAYAGEL EXTRA

Catridged Emulsion Explosives

Bahan peledak emulsi dengan kekuatan tinggi dan sensitifitas yang tinggi terhadap detonator.

DESKRIPSI

DAYAGEL EXTRA merupakan bahan peledak emulsi yang memiliki kekuatan tinggi dan sangat sensitif terhadap detonator. DAYAGEL EXTRA berwarna abu-abu yang menyerupai pasta, dikemas dengan bahan pembungkus poliuretan

KEAMANAN

DAYAGEL EXTRA mempunyai karakteristik fume hasil ledakan yang sangat baik, sehingga produk ini sangat cocok digunakan pada operasi bawah tanah maupun permukaan.

Karena DAYAGEL EXTRA merupakan bahan peledak yang peka terhadap detonator No.8, maka DAYAGEL EXTRA memiliki sensitivitas yang rendah terhadap benturan mekanik. Kriteria ketidaksensitifan terhadap benturan mekanik ini merupakan fitur keselamatan yang sangat penting.

Jika terkena api, DAYAGEL EXTRA akan padam dengan sendirinya kecuali terdapat sumber panas eksternal yang kuat. Meskipun DAYAGEL EXTRA tidak mudah terbakar, namun tetap harus dijauhkan dari api atau panas berlebih.

Jika cecekan DAYAGEL EXTRA akan dimusnahkan dengan cara pembakaran, metode pemusnahan yang tepat dapat dimintakan kepada Engineering Center DAHANA atau dari pihak berwenang terkait bahan peledak.

PENGGUNAAN

DAYAGEL EXTRA merupakan bahan peledak kemasan yang tahan air dan didesain untuk menghasilkan energi yang besar sebagai primer dan sebagai bahan peledak yang memiliki massa jenis relatif tinggi pada operasi peledakan di pertambangan, kuari, maupun pekerjaan peledakan lainnya.

High Strength and Robust Detonator Sensitive Emulsion Explosive

DESCRIPTION

DAYAGEL EXTRA is an especially high strength and robust detonator sensitive emulsion explosive. The product is gray in colors with a from putty-like consistency, packed with polyurethane wrapping material.

SAFETY

The post detonation fume characteristics of DAYAGEL EXTRA make the product well suited to both underground and surface blasting applications but as with all explosives operators should ensure that adequate ventilation is provided prior to re-entry to the blast site.

While sensitive to initiation by a No. 8 detonator, DAYAGEL EXTRA has a very low mechanical impact sensitivity. This impact insensitivity criterion is a very important safety feature.

If exposed to fire, DAYAGEL EXTRA will self extinguish unless a vigorous external source of heat is applied. Whilst DAYAGEL EXTRA does not burn easily, it should be kept clear of flame or excessive heat.

If DAYAGEL EXTRA remnants are to be destroyed by burning, advice on the correct method should be sought from DAHANA Engineering Center located at DAHANA offices, or from the local explosives statutory authority.

APPLICATIONS

DAYAGEL EXTRA is a water resistant packaged explosive designed to deliver high energy in both priming applications and as a relatively high density column explosives in mining, quarrying and general blasting work.

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PT DAHANA (Persero)

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REKOMENDASI PENGGUNAAN

Kedalaman Lubang Ledakan

Cocok digunakan hingga kedalaman lubang ledak 3-50 meter.

Priming

DAYAGEL EXTRA didisain sebagai bahan peledak sensitif dan akan menghantarkan energi maksimal dan efisien saat diinisiasi dengan detonator No. 8 atau lebih tinggi.

Watergel atau bahan peledak berbasis nitroglycerin TIDAK direkomendasikan sebagai primer untuk DAYAGEL karena kecepatan peledakan yang relatif rendah.

Efek Sumbu Ledak

Sumbu Ledak dengan ukuran 10 g/m dapat digunakan di atas atau di bawah untuk menginisiasi DAYAGEL EXTRA.

Sumbu Ledak dengan ukuran kurang dari 10 g/m tidak disarankan untuk digunakan dengan DAYAGEL EXTRA. Jika ragu dapat berkonsultasi dengan Explosive Technical Specialist DAHANA.

RECOMMENDATION FOR US

Blast Hole Depth

Suitable for use to 3-50 meters depth of blast hole.

Priming

DAYAGEL EXTRA has been designed as a detonator sensitive explosives and will deliver maximum energy and efficiency when initiated by a detonator of No. 8 or greater strength.

Watergels or nitroglycerine based explosives are NOT recommended as primer for DAYAGEL emulsions due to their relatively low velocity of detonation.

Detonating Cord Effects

While 10 g/m detonating cords may be used while as up lines or down lines to initiate DAYAGEL EXTRA.

Detonating cords of lower charge mass than 10 g/m are not recommended for us with DAYAGEL EXTRA. If in doubt consult DAHANA's Explosive Technical Specialist.

Packaging

	Ø 25	Ø 30	Ø 32	Ø 50
Length (mm)	200	200	200	200/400
Cartridges per Case (ea)	150	110	100	40/20
Weight per Cartridge (gr)	133	182	200	500/1000
Weight per Case (gr)	20	20	20	20

Technical Properties

Energy

For diameter between 25 mm & 38 mm @ operating density 1.23 gr/cm³

- REE*-Weight Strength (relative to ANFO) = 100% @ 0.8 gr/cm³ 119%

- REE*-Bulk strength (relative to ANFO = 100% @ 0.8 gr/cm³ 183%

For diameter between 45 mm & 130 mm @ Operating Density 1.25 gr/cm³

- REE*-Weight Strength (relative to ANFO = 100% @ 0.8 gr/cm³ 122%

- REE*-Bulk Strength (relative to ANFO = 100% @ 0.8 gr/cm³ 194%

*The "Relative Effective Energy" (REE) of an explosive is the energy calculated to do effective blasting work.

Velocity of Detonation

Energy

Unconfined in 25 mm@ 10 oC 4.6 – 5.0 km/s

Unconfined in 32 mm@ 10 oC 5.0 – 5.4 km/s



DISCLAIMER !

All Information contained in this Data Sheet is as accurate and as up to date as possible. Since DAHANA can not anticipate or control the conditions under which this information and its products may be used. Each user should review the information in the specific context of the intended application. DAHANA will not be responsible for damage of any nature resulting from the use of or reliance upon the information. No expressed or implied warranties are given other than those implied mandatorily by Government.