

RIOGEL TRONER XE

Extra Energy Cartridged Watergel

www.maxam.net

RIOGEL EXTRA ENERGY

DESCRIPTION

RIOGEL TRONER XE is the result of the most advanced developments in watergel technology.

RIOGEL TRONER XE is a high strength, high density cap sensitive watergel. The gel structure gives the product a rubber-like tough consistency and outstanding water resistance.

RIOGEL TRONER XE is manufactured in a variety of cartridge sizes to satisfy the needs of all blasting applications

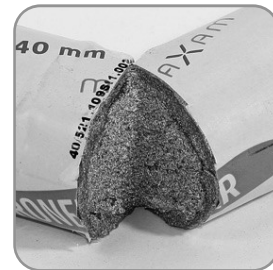
APPLICATION

The combination of a very high density and energy gives RIOGEL TRONER XE a very high bulk energy making this product an ideal choice for hard rock blasting in quarries, mining and construction.

RIOGEL TRONER XE can also be used in priming applications, bottom charges, and as a high energy column explosive.



1. HSPE plastic wrapping for added abrasion resistance.



2. Crosslinked providing rubber-like consistency.

Advantages

- Higher bulk energy than emulsions.
- Good aging, no crystallisation.
- Highly water resistant.
- Wide variety of applications.
- Highest energy available within MAXAMs range of watergels.
- Water and abrasion resistant.

RECOMMENDATIONS FOR USE

Water resistance allows its use in wet boreholes. Do not use in flammable or methane atmospheres. This product is detonator and RIOCORD 12 g/m sensitive. The temperature of this product should be within the range of -10°C and +60°C. For further information consult the Use Recommendations Sheet included inside the boxes or packaging of the product and its respective Material Safety Data Sheet.

SAFETY

USE: RIOGEL TRONER XE should be used, handled and stored with care, ensuring the product is kept away from flames and excessive heat sources.

DISPOSAL: The disposal of explosive material can be dangerous, ensure the appropriate safety measures have been applied according to the instructions on the MSDS.

STORAGE

To maintain the properties of MAXAM's explosives, we recommend they be stored in authorized deposits, in a cool dry place, with good ventilation.



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Technical Characteristics

Density Range (g/cm ³)	1,28
Velocity of Detonation* (m/s)	3000 - 6600
Relative Effective Energy ¹ (%)	
Relative Weight Strength	130
Relative Bulk Strength	207
Gas Volume (L)	899

1) ANFO: Density 0,80 g/cm³, Effective energy 2.59 MJ/kg.

* VOD is dependent on application, diameter, confinement, and density. The maximum value within the range is the Ideal VOD.

Standard Packaging 1.1D (Nominal values)

Diameter x Length (mm)	Cartridge Weight (g)	Cartridges/Box	Weight/box (kg)	Type of Encasing
32x250	278	90	25	Plastic film cartridge(HDPE)
40x500	833	30	25	Plastic film cartridge(HDPE)
50x480	1250	20	25	Plastic film cartridge(HDPE)
60x480	1786	14	25	Plastic film cartridge(HDPE)
70x500	2500	10	25	Plastic film cartridge(HDPE)
80x480	3125	8	25	Plastic film cartridge(HDPE)
90x480	4000	6	24	Plastic film cartridge(HDPE)

Transport Classification	Standard Packaging
Class	1.1D
UN Number	0241

Contact your local MAXAM representative for further information.

SAFETY WARNING

Read the Instructions Safety Sheet and the Material Safety Data Sheet provided carefully before using RIOGEL. MAXAM strongly recommends not to use RIOGEL products with detonators and/or initiation systems supplied by other manufacturers in the same blast and declines all liability in these cases. RIOGEL must be stored at moderate temperatures in a dry and well ventilated place.

LEGAL WARNING AND EXCLUSION OF LIABILITY

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