

EXPLO GEL 200

TECHNICAL DATA SHEET

Explo Gel 200 is a detonator sensitive emulsion explosive, This product combines both high detonation velocity and high energy during its explosion, thus covering every need during mining processes.

Suitable for blasting in road tunnels and underground mining operations. It can be used successfully on all types of rocks and mining operations of high needs. It contains aluminium to enhance heave.

Advantages

- Extremely resistant to water
- Very low amount of toxic fumes
- Reduces post-blast fumes & improves turnaround time.
- Excellent performance in every operation
- Develops excellent gas volume for heave displacement.
- Excellent safety against mechanical impact and friction
- Easy loading and handling to stiff cartridges

TECHNICAL PROPERTIES

Properties	Value
Nominal Density (g/cm ³)	1.15 ±0.10
Oxygen balance	+0.7
Gas Volume (L/kg)	920
Heat of explosion (kJ/kg)	3,720
RWS [ANFO=100]	132
RBS [ANFO=0.85 g/cm ³]	158
Detonation velocity (m/s)*	
(without confinement)	6,190 (diameter 38mm)
Sensitivity (cm)**	≥4

* The velocity of detonation will depend on application, diameter and confinement.

** Shot distance (38 mm diameter)

PACKAGING

Cartridge Size mm	Cartridge Weight gr	Count per Box	Box Weight NEQ (kg)
25x340	200	125	25
28x370	250	100	25
32x410	415	60	25
38x360	500	50	25
60x460	1665	12	20
70x490	2500	10	25
90x520	3750	6	22,5

USE

- For underground use
- The minimum recommended hole diameter is 22 mm
- Not for mines with a danger of fire damp or coal dust explosion and where flammable gases may exist.
- Minimum detonator 0.7 g PETN or detonator of comparable strength

SHELF LIFE

1 year from the date of manufacture

STORAGE

Best stored at temperatures between -0 °C and 30 °C. The storage of Explo Gel 200 should take place in 1.1D explosives class warehouses in accordance with the legislation. It is stable under proper conditions and has a long shelf life.

PRODUCT CLASSIFICATION

Authorised Name: Explo Gel 200

Shipping Name: Explosive, Blasting, Type E

UN No.: 0241

Classification: 1.1D



ELTEK
HELLENIC EXPLOSIVES TECHNOLOGY