

GELATINE DYNAMITE



Description

Gelatine dynamite is a high density explosive with product strength, sensitivity and velocity of detonation. The new ecological gelatine dynamite does not contain carcinogenic DNT nor toxic TNT, the main ingredients are ammonium nitrate, nitroglycol and nitrocellulose.

Technical Data

Density:	1,5 gr/cm ³
Relative weight strength:	86%
Velocity of detonation:	6000 m/sec
Stengjt (Trauzl lead block test):	395 ml
Brisance (Hess test):	17 mm
Energy of explosion:	4100 kJ/kg
Gas volume:	858 lt/kg
Explosion temperature:	3000 °C
Oxygen balance:	+2.22%
Friction sensitivity:	>80 N
Impact sensitivity:	>5 J

5% deviation is permitted to the above specifications

Application

Gelatine dynamite is a cap sensitive explosive with good water resistance. It is mostly developed for blasting operations where hard rock or demanding conditions prevail. Depending on the drill hole diameter, gelatine dynamite can be used in every surface and underground blasting operation as a primer, bottom or column charge.

Product range and packing

Depending on the application, gelatine dynamite is delivered in waxed paper or plastic film cartridges, packed in corrugated board cases of 25kg net weight.

Storage

Gelatine dynamite should be handled stored and used according to the national laws and regulations. It should be stored in a cool, dry, well-ventilated place. Storage temperature between +5 °C and +30 °C is highly recommended. The explosive may become stiff if temperature fluctuates around +32 °C. Storage up to +60 °C is safe.

Provided that storage conditions are appropriate, it is recommended to use gelatine dynamite within 12 months. Products shelf life can be further extended after examined by the supplier.

Cartridge dimensions (mm)	Cartridge weight(gr)	Number of cartridges/box
Paper Cartridges		
28 x 220	200	125
38 x 380	570	44
30 x 380	330	75
38 x 320	500	50
Plastic film Cartridges		
55 x 350	1250	20
55 x 700	2500	10
65 x 550	2500	10

Product classification

Commercial Name:	Perunit E, Poladyn 31 Eco
Technical Name:	Explosive blasting type A
UN- number:	0081
Division/ Compatibility Group:	1.1D



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