

Product Data Sheet

EMULINIT 2 - Packaged Emulsion Explosive



Description

Emulinit 2 is a multi purpose detonator sensitive emulsion explosive for a variety of ground conditions. Sensitised with glass microspheres and packaged in robust PE film cartridges, Emulinit is suitable for open cast and underground blasting operations.

Application

Emulinit 2 has excellent water resistant characteristics making it suitable for wet holes as a column charge or booster for non detonator sensitive explosives. Firm, non-gassed cartridges makes Emulinit ideal for manual or pneumatic loading. Not to be used in hazardous environments where flammable gasses and dust are present.

Recommendations

Products for reliable initiation:

Detonators with a minimum 0.6g PETN/RDX base charge.

*DTH Non Electric Detonators

*Electric Detonators

*Electronic & Seismic Detonators

*Detonating cord minimum 12g/M

Safety & Storage

Explosives should be handled & used by trained, authorised persons only. Avoid damage to any part of the component and ensure care is taken to protected from extreme impacts, friction & heat sources. "DO NOT" attempt to de-construct products which may cause premature detonation.

Emulsion explosives should be kept separate from detonators & initiation articles in a cool, dry, well ventilated licensed magazine when not in use. Stored in typical conditions, Emulinit has a 6 month guaranteed shelf life from the date of manufacture. Stocks should be frequently rotated in order to use the older products before the new.

Diameter Ø	Length	Cartridge Wt	Carton Qty	Carton Wt
32mm	300mm	0.3 kg	80	24kg
50mm	220mm	0.5 kg	50	25kg
80mm	450mm	3kg	8	24kg
90mm	550mm	4kg	6	24kg
100mm	450mm	4kg	6	24kg
Carton Dimensions	56 (L) x 37 (W) x 17 (H) cm			



Technical

VOD	4700 m/s (40mm PE Cartridge)
VOD minimum	4000 m/s
Oxygen Balance	8.65%
Heat of Explosion	2746 kJ/kg
Gas Volume	854 L/kg
Specific Energy	712 kJ/kg
Density	1.25 g/cm ³
Trazul Test	280cm ³ (average)
Relative Weight Strength	51 (%Hexogen/RDX)
Energy Concentration	3460 kg/L
Storage Temperature	10°C to 30°C
Usage Temperature	- 20°C to 50°C

*Measurements provided are nominal and may differ, further information regarding tolerances are available on request.

Product Classification

Shipping Name	Blasting explosive type E
UN #	0241
Classification	1.1D
EC Type Certificate	EXP.04.0015
Notified Body	0080
Packing Group	PGII

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