

Emulex C

PRODUCT INFORMATION BROCHURE

Emulex C is a detonator sensitive emulsion especially designed for smooth blasting in mining, quarries and tunneling (contour holes).

ADVANTAGES

- Distributes load evenly across all presplit holes or tunnels profile, reducing over-break.
- Product diameter when used in appropriately size blast holes reduces the coupling and minimizes damage to the rock left in situ.
- Excellent water resistance.
- Good handling due to stiff 1 m long cartridges.

PROPERTIES

Properties	Value
Density [g/cm ³]	1.05
Oxygen balance [%] ⁽¹⁾	+0.1
Gas Volume [L/kg] ⁽¹⁾	854
Heat of explosion [kJ/kg] ⁽¹⁾	3,618
Relative weight strength [ANFO=100] ⁽¹⁾	98
Relative bulk strength [ANFO=0.85 g/cm ³] ⁽¹⁾	121
Velocity of detonation [m/s] (without confinement, cartridge diameter 25 mm) ⁽²⁾	4,200

Notes:

- (1) Theoretical values based on Austin modeling which assumes ideal detonation. Values calculated with other codes may differ.
- (2) The velocity of detonation will depend on application, diameter and confinement.



AUSTIN POWDER
INTERNATIONAL

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STANDARD PACKAGING

Cartridge Size [mm]	Cartridge Weight [kg]	Box Weight [kg]
25 x 1000	0.500	25.0

Notes: Size and weight are nominal values and may show production related variations.

STORAGE

- Lower temperature limit 0 °C (max. 3 months of storage down to -10 °C)
- Upper temperature limit +30 °C

USE

- Lower temperature limit -5 °C
- Upper temperature limit +50 °C
- Minimum detonator 0.7 g PETN or detonator of comparable strength
- Maximum static overpressure 0.3 MPa (3 bar) for 24 hours
- For underground use
- Not for use in hazardous environments where flammable gases or dust may exist
- Austin accepts no responsibility for any loss or liability arising from use of the product in ground containing pyritic or other reactive material

SHELF LIFE

1 year from the date of manufacture

DISPOSAL

In accordance with local and national legal requirements. In doubt contact your supplier or the manufacturer.

TRANSPORTATION DATA

Shipping Name: EXPLOSIVE, TYPE E

UN Class and Division: 1.1D

UN Number: 0241

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