

Emulex 6

PRODUCT INFORMATION BROCHURE

Emulex 6 is a detonator sensitive emulsion with an excellent combination of velocity of detonation and good gas generation characteristics. Widely used in surface mining blasting, quarrying and construction work. Suitable for use as a column load or base charge.

ADVANTAGES

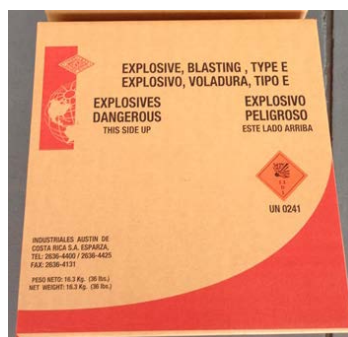
- High energy allows an extended drilling pattern for more economical blasting cost.
- Develops excellent gas volume for heave displacement.
- Good borehole coupling characteristics when the diameter of product applied is matched to the dimensions of the blast hole.
- Excellent water resistance.

PROPERTIES

Properties	Value
Nominal Density [g/cm ³]	1.22
Oxygen balance [%] ⁽¹⁾	-6.3
Gas Volume [L/kg] ⁽¹⁾	890
Heat of explosion [kJ/kg] ⁽¹⁾	3765
Relative weight strength [ANFO=100]	98
Relative bulk strength [ANFO=0.85 g/cm ³]	142
Velocity of detonation [m/s] ⁽²⁾	5,400 (diameter 92 mm)

Notes:

- (1) Theoretical values based on Austin Powder Company modeling which assumes ideal detonation. Values calculated with other codes may differ.
- (2) Without confinement



AUSTIN POWDER
I N T E R N A T I O N A L

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05/2016

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STANDARD PACKAGING

Cartridge Size [mm]	Cartridge Weight [kg]	Box Weight NEQ [kg]
92 x 400	3,26	16,3

Notes: Size and weight are nominal values and may show production related variations. Other sizes are available on request.

STORAGE

- Lower temperature limit +10 °C
- Upper temperature limit +45 °C
- Storage away from oxidizing agents.
- Keep ignition sources away- Do not smoke.
- Store in dry, well ventilated conditions according to local regulations.
- Keep away from heat and direct sunlight.

USE

- Lower temperature limit +10 °C
- Upper temperature limit +60 °C
- Minimum detonator 640 mg PETN or detonator of comparable strength
- Maximum static overpressure 0.3 MPa (3 bar) for 24 hours
- 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 when stored as recommended.

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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