

Emulex 5

PRODUCT INFORMATION BROCHURE

Emulex 5 is a detonator sensitive emulsion with an excellent combination of velocity of detonation, gas generation characteristics and specific energy. It contains aluminium as well as dry ammonium nitrate prill. Extra stiff cartridges allow easy loading work in water filled boreholes. Works well 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.
- Very low amount of toxic fumes.
- Excellent water resistance.
- Good handling in water filled boreholes due to extra stiff cartridges.

PROPERTIES

Properties	Value
Density [g/cm ³]	1.15
Oxygen balance [%] ⁽¹⁾	+0.1
Gas Volume [L/kg] ⁽¹⁾	886
Heat of explosion [kJ/kg] ⁽¹⁾	3,698
RWS [ANFO=100] ⁽¹⁾	100
RBS [ANFO=0.85 g/cm ³] ⁽¹⁾	133
Velocity of detonation [m/s] (without confinement, cartridge diameter 65 mm) ⁽²⁾	5,000

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

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STANDARD PACKAGING

Cartridge Size [mm]	Cartridge Weight [kg]	Box Weight [kg]
65 x 700	3.125	25.0
70 x 700	3.600	25.2
80 x 700	4.200	25.2

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

STORAGE

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

USE

- Lower temperature limit 0 °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.
- Not 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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