



PRODUCT INFORMATION

BROCHURE

1.1D

Emulex 2



Emulex 2 is a detonator sensitive emulsion with an excellent combination of velocity of detonation, gas generation characteristics and specific energy. It contains aluminium to enhance heave. Emulex 2 is mainly used for blasting of lumpy broken rock in quarries. Works well as a column load or base charge.

PRODUCT OVERVIEW

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.
- Good borehole coupling characteristics when the diameter of product applied is matched to the dimensions of the blast hole.
- Excellent water resistance.
- Good handling due to stiff cartridges.

APPLICATION RECOMMENDATIONS

- 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.

PROPERTIES

Properties	Value
Nominal Density [g/cm ³]	1.2
Oxygen balance [%] ⁽¹⁾	-1.3
Gas Volume [L/kg] ⁽¹⁾	947
Heat of explosion [kJ/kg] ⁽¹⁾	3,728
RWS [ANFO = 100] ⁽¹⁾	101
RBS [ANFO = 0.82 g/cm ³] ⁽¹⁾	136
Velocity of detonation [m/s] ⁽²⁾ (without confinement)	5,500 (diameter 65 mm)

Notes:

(1) Theoretical values based on Austin modeling which assumes ideal detonation. Values calculated with other codes may differ. For additional information please contact our sales team.

(2) The velocity of detonation will depend on application, diameter and confinement.

STANDARD PACKAGING

Cartridge Size (mm)	Cartridge Weight (kg)	Box Weight NEQ (kg)
65 x 700	3.125	25.0
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.

SHELF LIFE, STORAGE & DISPOSAL

- 1 year from the date of manufacture under proper storage conditions.
- Store in accordance with all applicable local and national legal requirements. If in doubt, contact your supplier or the manufacturer.
- Disposal of explosive materials can be hazardous. Methods of safe disposal of explosives may vary depending on the user's situation. Please contact an Austin Powder Technical Representative for information on safe practices.

TRANSPORT – UN CLASSIFICATION

Shipping Name: Explosive, Type E
 Class & Division: 1.1D
 ID Number: UN 0241

Disclaimer of Warranties and Limitations of Liabilities: Products described in this document are sold by Austin Powder without warranty; express, implied or statutory or as to MERCHANTABILITY, except as expressly stated in Austin Powder's straight bill of lading. Under no circumstances shall seller be liable for loss of anticipated profits, consequential damages or incidental damages. For more information and service locations please contact Austin Powder's headquarters:



AUSTIN POWDER

Our Mission is to improve the world we live in through the safe and responsible use of explosives.