



AUSTIN POWDER
INTERNATIONAL

Emulex 1

Emulex 1 is a detonator sensitive emulsion with an excellent combination of velocity of detonation and good gas generation characteristics. Widely used in surface and underground mining blasting, quarrying and construction work. Suitable for use as a column load or base charge.

Advantages:

- High energy allows and extended drill 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	Tolerance
Density (gr/cc)	1.12	± 0.03 (Ø < 50 mm)
	1.16	± 0.03 (Ø ≥ 50 mm)
Velocity of detonation (m/s) (2)	5,000 *	± 15%
Gas Volume (L/kg) (1)		1023
Detonation pressure (Kbar) (1)		88.5
RWS (ANFO=100) (%) (1)		87
RBS (ANFO=0.83 g/cm ³) (%) (1)		120
Fume Class		1

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.



MEXICANA DE EXPLOSIVOS Y VOLADURAS S.A. DE C.V.



DISTRIBUIDORA DE EXPLOSIVOS E INGENIERIA APLICADA S.A. DE C.V.



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STANDARD PACKAGING

Nominal box weight: 25 kg

Cartridge size		Cartridge / box
mm	Inches	
25 x 200	1 x 8	203 - 215
25 x 300	1 x 12	135 - 143
25 x 400	1 x 16	102-108
25 x 1000	1 x 39	42 - 44
32 x 200	1 ¼ x 8	177 - 188
32 x 400	1 ¼ x 16	66 - 70
32 x 1000	1 ¼ x 39	32
35 x 940	1 3/8 x 37	25
38 x 200	1 ½ x 8	92 - 98
38 x 400	1 ½ x 16	46 - 48
38 x 1000	1 ½ x 39	18 - 20
50 x 200	2 x 8	50
50 x 400	2 x 16	25
65 x 400	2 ½ x 16	16
75 x 200	3 x 8	25
75 x 400	3 x 16	11
90 x 400	3 ½ x 16	8
100 x 200	4 x 8	12
100 x 400	4 x 16	6
100 x 600	4 x 24	4
127 x 600	5 x 24	3



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STORAGE

- Lower temperature limit 0 °C.
- Upper temperature limit +40 °C.
- Keep ignition sources away - No smoking.
- Store away from oxidizing agents.
- Store in a dry, well-ventilated place that complies with local, state and federal regulations.
- Do not expose to heat sources and direct sunlight.

USE

- Lower temperature limit -15 °C.
- Upper temperature limit +60 °C.
- Minimum detonator 640 mg of PETN.
- Underground and Surface mining.
- Quarries
- Construction work.
- 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.



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SHELF LIFE

- Twelve months from the date of manufacture adequate storage conditions

DISPOSAL

- In accordance with local and national legal requirements. For further information 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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