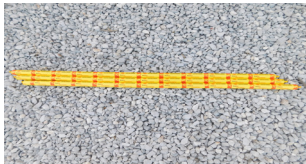




PRODUCT INFORMATION BROCHURE

1.1D

EMULEX C



- Per piece



- 3 continuous cartridges



- 4 continuous cartridges

Emulex C is a low density, detonator sensitive emulsion. Widely used as a contour explosive to smooth blast tunneling profiles.

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 cartridges.

PRODUCT OVERVIEW

TECHNICAL DESCRIPTION

Emulex C is a low-density detonator-sensitive emulsion. Emulex C is packaged in plastic film and it can be single units or in 3 or/and 4 continuous cartridges.

APPLICATION RECOMMENDATIONS

- Emulex C can be used in surface and underground mining, quarries, and construction work applications.
- Not for use in hazardous environments where flammable gases or dust may exist.
- Austin Powder Mexico accepts no responsibility for any loss or liability arising from use of the product in ground containing pyritic or other reactive material.
- Lower temperature limit -15 °C - Upper temperature limit +60 °C.

PRIMING

When priming Emulex C the use of a high strength detonator is required (minimum 640 mg PETN).

PROPERTIES

Properties		Value
Density [g/cc]		0.85
Gas Volume [l/kg]		1,051
Relative Weight Strength [ANFO=100] ⁽¹⁾		82
Relative Bulk Strength [ANFO=0.82 g/cm ³] ^{(1) ‡}		85
Fume Class		1
Velocity of detonation (confined) ⁽²⁾	[ft/s]	12,959
	[m/s]	3,950

Notes:

(1) Theoretical values based on Austin modeling which assumes ideal detonation.

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

‡ Energy values are calculated using Explo 5, a thermo-dynamic computer code employed by Austin Powder Company. Other computer codes may give different values. ANFO = 100 @ 0.82 g/cc.

STANDARD PACKAGING

Cartridge Type	Single Units Cartridge Size		Cartridge Weight		Case Count 55 lb/25kg
	[in]	[mm]	[lb]	[kg]	
Plastic Film	1 x 39	25 x 1000	1.058- 0.965	0.480 - 0.438	52 – 57

Cartridge Type	Cartridge Size		Number of continuous cartridges	Continuous pieces per case	Cartridge Weight		Case Count 55 lb/25kg
	[in]	[mm]			[lb]	[kg]	
Plastic Film	1 x 39	25 x 1000	3	19	0.965	0.438	57
	1 x 39	25 x 1000	4	14	0.983	0.446	56

Notes:

All dimensions and weights are nominal. Other sizes are available upon request.

SHELF LIFE, STORAGE & DISPOSAL

- Store in accordance with all applicable local, state, provincial, and federal laws.
- The disposal of explosives needs to comply with local and national laws. Contact Austin Powder with disposal questions.
- One year from the date of manufacture under good storage conditions.

TRANSPORT - UN CLASSIFICATION

Shipping Name: Explosive, Blasting, Type E
 Class & Division: 1.1D
 ID Number: UN0241

US DOT REFERENCE NUMBER

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FT-CC-APM-02 Rev. 1

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AUSTIN POWDER

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

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