

# Emulex<sup>®</sup> 900 Series

PRODUCT INFORMATION BROCHURE

Emulex 900 Series is a detonator sensitive emulsion explosive with putty like texture packaged in plastic film, tampable plastic film or rigid paper tube cartridges..

## ADVANTAGES

- Excellent fragmentation when proper grade is matched to the rock conditions.
- >99% borehole coupling when loading cut or tamped cartridges.
- Excellent water resistance in all grades.
- Superior resistance to dynamic pre-compression.



## PROPERTIES

Product	Density [g/cc]	RBS <sup>‡</sup>	Fume Class	Water Resistance	VOD	
					[ft/s]	[m/s]
Emulex 917	1.17	107	1	Excellent	17,000	5,577
Emulex 927	1.17	142	2	Excellent	16,500	5,413
Emulex 937	1.19	162	2	Excellent	15,500	5,085

<sup>‡</sup> Energy is calculated using TIGER, a thermo-dynamic computer code used by Austin Powder Company. Other computer codes may give different values. ANFO = 100 @ 0.82 g/cc.

## PRIMING

Use a high strength detonator (Rock★Star<sup>®</sup>, Shock★Star<sup>®</sup> or equivalent). If product temperature is below 0° F (-17° C), prime with a minimum of a Gold Nugget<sup>™</sup> (8 gm) cast booster. This product is not designed for use with any strength of detonating cord.



**AUSTIN POWDER**

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# Emulex 900 Series

## STANDARD TECHNICAL DESCRIPTION

Detonator sensitive emulsion

## STANDARD PACKAGING DETAILS

Cartridge Size		917	927	937	Cartridge Weight		Case Count 50 lb/22.5 kg
[in]	[mm]				[lb]	[kg]	
1 x 12	25 x 300	V, PMP	V, PMP	---	0.38	0.17	132
1 ¼ x 12	32 x 300	V, PMP	V, PMP	---	0.67	0.30	75
1 ½ x 12	38 x 300	V, PMP	V, PMP	---	0.88	0.40	57
1 ¼ x 16	32 x 400	---	AT	---	0.89	0.40	56
1 ½ x 16	38 x 400	V, PMP	V, AT, PMP	---	1.28	0.58	39
1 ¾ x 16	44 x 400	V	V, AT	---	1.61	0.73	31
2 x 16	50 x 400	V	V, BN	V, BN	2.27	1.03	22
2 ¼ x 16	57 x 400	V	V, BN	V, BN	2.50	1.13	20
2 ½ x 16	63 x 400	V	V, BN	V, BN	3.33	1.51	15
2 ¾ x 16	69 x 400	V	V, BN	V, BN	3.85	1.75	13
3 x 16	75 x 400	V	V, BN	V, BN	4.55	2.06	11
3 ¼ x 16	82 x 400	V	V, BN	V, BN	5.00	2.27	10
3 ½ x 16	88 x 400	V	V, BN	V, BN	6.25	2.84	8

V = Plastic Film; PMP = Poly Mylar Poly Laminate Film (tampable);

AT, BN = Rigid Paper Tube

--- Not Available

Note: All dimensions and weights are nominal.

## STORAGE

Store in accordance with all applicable local, state, provincial and federal laws.

## SHELF LIFE

One year from date of manufacture under good storage conditions.

## TRANSPORTATION DATA

### UN CLASSIFICATION

Shipping Name: Explosive, Blasting, Type E

Class & Division: 1.1D

ID Number: UN0241

### US DOT REFERENCE NUMBER

EX-9305177

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