



PRODUCT INFORMATION

BROCHURE

1.1D

RED-D PRIME



Red-D Prime is a detonator-sensitive emulsion cartridge ideal for priming small to medium-diameter blast holes

ADVANTAGES

- Strong Resistance to dynamic pre-compression from adjacent blast holes
- Ample detonation pressure
- Economical primer for ANFO, Bulk Emulsions, and medium to large-diameter cartridges

PRODUCT OVERVIEW

TECHNICAL DESCRIPTION

Detonator Sensitive Emulsion Explosive

APPLICATION RECOMMENDATIONS

Red-D Prime is ideal for priming small to medium-diameter blast holes (1 1/4" - 3")

PRIMING

When priming Red-D Prime, the use of a high-strength detonator (Rock*Star, Shock*Star, or equivalent) is required. If the product temperature is below 0F (-17C), prime with a minimum of a Gold Nugget (8g) cast booster. This product is not designed for use with any strength of detonating cord.

PROPERTIES

Properties		Red-D Prime
Density [g/cc]		1.16
Oxygen Balance [%] ⁽¹⁾		-0.6
Gas Volume [l/kg]		983
Relative Weight Strength [ANFO=100] ⁽¹⁾		94
Relative Bulk Strength [ANFO=0.82 g/cm ³] ^{(1) ‡}		133
Fume Class		1
Heat of Explosion		2,022
Detonation Pressure [kb]		79
Velocity of detonation (confined) ⁽²⁾	[ft/s]	18,166
	[m/s]	5,537

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.

‡ Energy values are calculated using Explor 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	Cartridge Size		Cartridge Weight		Case Count
	[in]	[mm]	[lb]	[kg]	#
Plastic Film	1 ¼ x 8	32 x 200	0.42	0.19	118
	1 ½ x 8	38 x 200	0.58	0.26	86
	1 ¾ x 8	44 x 200	0.83	0.38	60
	2 x 8	50 x 200	1.04	0.47	48
Austin Tube	1 ¼ x 8	32 x 200	0.42	0.19	118
	1 ½ x 8	38 x 200	0.58	0.26	86
	2 x 8	50 x 200	1.04	0.47	48

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

EX-1993050177

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