



PRODUCT INFORMATION

BROCHURE

1.5D

HYDROMITE 880 SERIES



Hydromite 880 Series is a booster sensitive blasting agent mixture of emulsion and ANFO.

ADVANTAGES

- Develops excellent gas volume for heavy displacement
- Good borehole coupling characteristics when cartridges are cut
- Excellent water resistance
- Superior resistance to dynamic pre-compression from adjacent boreholes
- Added aluminum in Hydromite 883 provides increased energy for difficult blasting environments.

PRODUCT OVERVIEW

TECHNICAL DESCRIPTION

Hydromite 880 Series is a booster-sensitive blasting agent mixture of emulsion and ANFO. Hydromite 880 has a putty-like texture and is packaged in plastic film cartridges. Hydromite 883 features the addition of aluminum.

APPLICATION RECOMMENDATIONS

Hydromite 880 Series is an ideal column load option for blasting applications where the use of bulk blasting agents may not be economical. Hydromite 883 can be used where additional energy may be required.

PRIMING

Hydromite 880 is a booster-sensitive blasting agent and must be in direct contact with a minimum of a 1/3 lb cast booster for proper initiation. Depending on borehole and geologic conditions, additional primers may be required.

PROPERTIES

Properties	Hydromite 880	Hydromite 883	
Density [g/cc]	1.22	1.24	
Oxygen Balance [%] ⁽¹⁾	-6.4	-9.1	
Gas Volume [l/kg]	1,097	1,039	
Relative Weight Strength [ANFO=100] ⁽¹⁾	96	106	
Relative Bulk Strength [ANFO=0.85 g/cm ³] ^{(1) ‡}	143	161	
Heat of Explosion	2,075	2,291	
Detonation Pressure	105	109	
Fume Class	1	1	
Velocity of detonation (confined) ⁽²⁾	[ft/s]	20,430	20,405
	[m/s]	6,227	6,220

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 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	Cartridge Size		Cartridge Weight		Case Count
	[in]	[mm]	[lb]	[kg]	#
Plastic Film	2 x 16	50 x 400	2.38	1.08	21
	2 ¼ x 16	56 x 400	2.63	1.19	19
	2 ½ x 16	63 x 400	3.33	1.51	15
	2 ¾ x 16	69 x 400	4.17	1.89	12
	3 x 16	75 x 400	5.00	2.27	10
	3 ½ x 16	88 x 400	7.14	3.24	7

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

STANDARD TECHNICAL DESCRIPTION

Booster-sensitive emulsion/ANFO blend

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.
- Six months from the date of manufacture under good storage conditions.

TRANSPORT - UN CLASSIFICATION

Shipping Name: Explosive, Blasting, Type E
 Class & Division: 1.5D
 ID Number: UN0332

US DOT REFERENCE NUMBER

EX-1993050178 Hydromite 880
 EX-1993050178 Hydromite 883

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AUSTIN POWDER

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