

Hydromite^e 70 AL

PRODUCT INFORMATION BROCHURE

Hydromite 70 AL is a booster sensitive bulk emulsion made from a mixture of 70% of Hydrox S with 30% low density ammonium nitrate porous prill, fuel oil and Aluminium. The addition of Aluminium increases the energy of this emulsion explosive. This emulsion is sensitized by chemical gassing. **Hydromite 70 AL** is widely used in surface mining, quarrying and construction work. As **Hydromite 70 AL** is not cap sensitive, it can be initiated by a suitable sized cartridge of Emulex 1 or APB

ADVANTAGES

- Variation in final densities possible.
- Excellent water resistance.
- Develops high gas volume for enhanced muck pile heave.
- Very good filling of the boreholes.
- Very low sensitivity against mechanical and thermal stress

PROPERTIES

Properties	Value
Density, g/cc	1,05 -1,30
Oxygen Balance, % ⁽¹⁾	-3,3
Gas Volume, l/kg ⁽¹⁾	910
Heat of explosion [kJ/kg] ⁽¹⁾	3.716
RWS [ANFO=100] ⁽¹⁾	106
RBS [ANFO=0.85 g/cm ³] ⁽¹⁾	131
VOD [m/s] ⁽²⁾ (confined)	4.000

Notes:

(1) Theoretical values based on the Austin model, which assumes the ideal detonation. Values calculated under other indications may differ.

(2) The VOD will depend on the application conditions, diameter and confinement

USE

- Lower temperature limit +5 °C.
- Upper temperature limit +50 °C.
- Minimum booster APB 225 or emulsion explosive (e.g. Emulex 1).
- Minimum borehole diameter 75 mm.
- Not for use in hazardous environments where flammable gases or dust may exist.
- Not for underground use.
- Austin accepts no responsibility for any loss or liability arising from use of the product in ground containing pyritic or other reactive material.

SHELF LIFE

Maximum 48 hours from production in the borehole.

Contact your local Austin Powder representative for further information.

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