Austinite S

PRODUCT INFORMATION BROCHURE

Austinite S consists of porous ammonium nitrate and mineral oil or biodegradable vegetable oils. Austinite S is not water resistant and can only be used in dry conditions. Austinite S is not detonator sensitive.

ADVANTAGES

- High gas volume.
- Very low sensitivity against mechanical and thermal stress.
- Borehole volume is perfectly utilised, therefore high degree of efficiency.
- Perfectly free flowing.
- May be used for pneumatic loading.

PROPERTIES

Properties	Value
Density [g/cm^3]	0.75
Oxygen balance [%] (1)	-1.6
Gas Volume [L/kg] (1)	981
Heat of Explosion [kJ/kg] (1)	3,752
RWS [ANFO=100] (1)	102
RBS [ANFO=0.85 g/cm^3] (1)	86
Velocity of detonation [m/s] (confined) (2)	3,700

(1) Theoretical values based on Austin modeling which assumes ideal detonation. Values calculated with other codes may differ. For additional information please contact our sales team.
(2) The velocity of detonation will depend on application, diameter and confinement.

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STANDARD PACKAGING

Available packing sizes	Weight NEQ [kg]
Plastic bag	25.0
Big bag	500.0

Notes: The product is packed according to relevant regulations.

STORAGE

- Lower temperature limit -5 °C.
- Upper temperature limit +30 °C.

USE

- Lower temperature limit -20 °C.
- Upper temperature limit +40 °C.
- Minimum booster APB 450 or emulsion explosive.
- Minimum borehole diameter 35 mm.
- Not for use in hazardous environments where flammable gases or dust may exist.
- We recommend the use of an Emulex booster charge. The amount of booster explosive in boreholes with a diameter of 50 mm or more should be 6 % minimum of the total explosive mass. In boreholes with a smaller diameter the amount of booster explosive should be 10 % minimum.
- 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

6 months from the date of manufacture.

TRANSPORTATION DATA

Shipping Name: EXPLOSIVE, BLASTING, TYPE B

U.N. Class and Division: 1.1D

U.N. Number: 0082

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