

Austinite^e 3 eco

PRODUCT INFORMATION BROCHURE

Austinite 3 eco consists of porous ammonium nitrate, mineral oil and aluminium, the presence of aluminium enhances heave. Austinite 3 eco is not water resistant and can only be used in dry conditions. Austinite 3 eco 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⁾	0.5
Gas Volume [L/kg] ⁽¹⁾	937
Heat of Explosion [kJ/kg] ⁽¹⁾	4,050
Relative weight strength [ANFO=100] ⁽¹⁾	109
Relative bulk strength [ANFO=0.85 g/cm ³] ⁽¹⁾	90
Velocity of detonation [m/s] (confined) ⁽²⁾	3,600

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.



AUSTIN POWDER
INTERNATIONAL

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STANDARD PACKAGING

Available packing sizes	Weight NEQ [kg]
Plastic bag	25
Big bag	500

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 (e.g. Emulex 1)
- 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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