

# 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 <sup>3</sup> ]	0.75
Oxygen balance [%] <sup>(1)</sup>	-1.6
Gas Volume [L/kg] <sup>(1)</sup>	981
Heat of Explosion [kJ/kg] <sup>(1)</sup>	3,785
Relative weight strength [ANFO=100] <sup>(1)</sup>	99
Relative bulk strength [ANFO=0.85 g/cm <sup>3</sup> ] <sup>(1)</sup>	87
Velocity of detonation [m/s] (confined) <sup>(2)</sup>	3,700

Notes:

<sup>(1)</sup> Theoretical values based on Austin modeling which assumes ideal detonation. Values calculated with other codes may differ.

<sup>(2)</sup> The velocity of detonation will depend on application, diameter and confinement.



**AUSTIN POWDER**  
INTERNATIONAL

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# Austinites

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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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