

Austrogel P

PRODUCT INFORMATION BROCHURE

Austrogel P is a detonator sensitive explosive which does not contain nitroaromatic compounds such as DNT or TNT. Austrogel P contains ammonium nitrate, nitroglycerin / nitroglycol and fuel. Widely used in surface mining blasting, quarrying and construction work. Austrogel P is also suitable for tunneling.

ADVANTAGES

- Excellent water resistance.
- Very suitable for tough and hard rock.
- No nitroaromatic compounds.
- Plastic consistency.

PROPERTIES

Properties	Value
Nominal Density [g/cm ³]	1.4
Oxygen balance [%] ⁽¹⁾	+3.9
Gas Volume [L/kg] ⁽¹⁾	892
Heat of explosion [kJ/kg] ⁽¹⁾	4,135
RWS [ANFO=100] ⁽¹⁾	112
RBS [ANFO=0.85 g/cm ³] ⁽¹⁾	176
Velocity of detonation [m/s] ⁽²⁾ (in confinement)	6,000 (diameter 34 mm)

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

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Austro^{gel} P

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STANDARD PACKAGING

Cartridge Size [mm]	Cartridge Weight [kg]	Box Weight NEQ [kg]
25 x 200 ^[1]	0.125	25.0
38 x 395 ^[1]	0.367	25.0
55 x 700	2.500	25.0
65 x 700	3.125	25.0

Notes: Size and weight are nominal values and may show production related variations. Other sizes are available on request. [1] Paper shell.

STORAGE

- Lower temperature limit 0 °C.
- Upper temperature limit +30 °C.

USE

- Lower temperature limit -20 °C.
- Upper temperature limit +50 °C.
- Minimum detonator 0.7 g PETN or detonator of comparable strength.
- Maximum static overpressure 0.3 MPa (3 bar) for 24 hours.
- Not for use in hazardous environments where flammable gases or dust may exist.
- 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

1 year from the date of manufacture.

DISPOSAL

In accordance with local and national legal requirements. In doubt contact your supplier or the manufacturer.

TRANSPORTATION DATA

Shipping Name: EXPLOSIVE, TYPE A

UN Class and Division: 1.1D

UN Number: 0081

MANUFACTURER

Nitroerg S.A.

Ul. Chemików 133

43 – 150 Bierun, Poland

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