



PRODUCT INFORMATION

BROCHURE

1.1D

Austrogel P

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.

PRODUCT OVERVIEW

BENEFITS

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

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.

STANDARD TECHNICAL DESCRIPTION

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)	5,500 (diameter 35 mm) 6,000 (diameter 65 mm)

(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.

STANDARD PACKAGING

Cartridge Size (mm)	Cartridge Weight (kg)	Box Weight NEQ (kg)
25 x 200 ⁽¹⁾	0.125	25.0
38 x 395 ⁽¹⁾	0.625	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.

MANUFACTURER

Nitroerg S.A.
Ul. Chemików 133
43 – 150 Bierun, Poland

SHELF LIFE, STORAGE & DISPOSAL

- Shelf life is 12 (twelve) months from the date of manufacture.
- This product must be stored in magazines for high explosives. These magazines must meet the current legal requirements.
- Storage:
 - Lower temperature limit: 0 °C.
 - Upper temperature limit: +30 °C.
- Disposal: According to local and national laws. If in doubt consult the supplier.

TRANSPORT – UN CLASSIFICATION

Shipping Name: EXPLOSIVE, TYPE A
Class & Division: 1.1D
ID Number: UN 0081

Contact your local Austin Powder representative for further information.

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It is solely the responsibility of the product user to determine the safe conditions for use of the products referred to herein. Use of any products by a user is at the user's sole risk.

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AUSTIN POWDER

**Our Mission is to improve the world we live in
through the safe and responsible use of explosives.**

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