

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)	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.



AUSTIN POWDER

Austin Powder GmbH, Weißenbach 16, 8813 St. Lambrecht, Austria
Tel: +43 (0) 3585 2251-0 - Fax: +43 (0) 3585 2414 - office@austinpowder.at

Austro^{gel} P

PRODUCT INFORMATION BROCHURE

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.

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



DISCLAIMER: The data and values set forth in this Product Information Brochure (PIB) are based on the product test procedures of Austin Powder GmbH in use at the time of publication of this PIB. Specifications, test values and information are exclusively non-binding preliminary information and are not guaranteed beyond the limits determined by law; the actual data may differ for various reasons (e.g. temperature, humidity, pressure, confinement). Technical inaccuracies or typographical errors and the right to amend the PIB at any time without notice shall be reserved. Austin Powder GmbH does not assume any liability, covenants, guaranties or warranties with respect to the completeness, accuracy, reliability, suitability or availability of the product and the information of the PIB other than those implicitly required by law. Any liability for damages of any kind (such as direct or indirect, incidental or consequential damages, losses or expenses), directly or indirectly related for any reason to this PIB or the use of the products is excluded. The customer is (even when making decisions based on the information in the PIB) solely responsible for the proper use of the potentially dangerous products that, accordingly, may only be used by trained personnel and in compliance with applicable law. To the entire legal relationship between their customers and Austin Powder GmbH or Austin Powder Vertriebsgesellschaft m.b.H. their (Austin's) general terms and conditions (they can be downloaded from the homepage www.austinpowder.at) shall apply.



AUSTIN POWDER

Austin Powder GmbH, Weißenbach 16, 8813 St. Lambrecht, Austria
Tel: +43 (0) 3585 2251-0 - Fax: +43 (0) 3585 2414 - office@austinpowder.at

01/2021