

1. Description

Porous granular ammonium nitrate-fuel oil (ANFO) explosive is a mixture of an oxidizer and fuel oil. The oxidizer is usually porous granular ammonium nitrate and the fuel is light diesel. Mechanical mixing distributes the components uniformly to form a granular explosive.

Product View



2. Applications

Suitable for dry surface blasting operations with no risk of combustible gas and/or mine dust explosions, including mining and other engineering blasting projects. This explosive is not cap-sensitive.

3. Key Benefits

Abundant, inexpensive raw materials and straightforward processing.
Low sensitivity provides a high level of safety during production, shipping, storage and use.
Good flowability and resistance to caking support mechanized loading.

4. Technical Properties

Property	Technical Properties
Density (g/cm ³)	0.80
Brisance (mm)	≥15
VOD (m/s)	≥2800
Work Capacity (mL)	282-285
Minimum Blasthole Diameter (mm)	76
Maximum Blasthole Depth (m)	20
Maximum Charge Length (m)	16
Hole Type	Dry
Delivery System	Manual charging
Recommended Booster at Minimum Hole Diameter	400 g
Relative Weight Strength, RWS (%)	100
Relative Bulk Strength, RBS (%)	100
Sleep Time (days)	3
CO ₂ Emissions (kg/t)	170
Shelf Life	30 days

5. Recommendations for Use

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| 01 | Avoid exposure to the open air or direct sunlight. Protect against water and moisture. |
| 02 | Not detonator-sensitive; initiate with a booster. |
| 03 | The product is not water-resistant. |

6. Packaging

Packaging Type	Product Specifications
Bulk bags	25 kg/bag; 40 kg/bag

Note Other sizes can be produced on request.

7. Storage and Shipping

Product Name	Proper Shipping Name	UN No.	Classification Code
Porous Granular ANFO Explosive	Explosives, blasting, type B	0082	1.1D

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|----|---|
| 01 | Store in a magazine approved for Class 1.1D explosives or higher. |
| 02 | Store products together only as permitted by the applicable standards. |
| 03 | Use dedicated transport vehicles that meet the relevant standards for civil explosives. |
| 04 | Protect against fire and moisture and keep the magazine well ventilated. |

8. Precautions

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| 01 | Keep stones, mud and other debris out of the charge column during charging to avoid disrupting detonation propagation. | 03 | In case of accidental fire, use water. Do not cover the fire with soil, sand or stones. If the situation becomes critical, evacuate immediately and clear personnel from the surrounding area. |
| 02 | After inserting a detonator into the primer, secure it firmly. Avoid damaging the detonator leg wires during stemming. Follow the blasting operating procedures. | | |

9. Safety

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| 01 | After blasting, personnel may re-enter the blast area only when adequate ventilation has been ensured. |
| 02 | Impact, friction, mechanical shock and heat may initiate explosives. Exercise extreme care during storage, shipping and use. |

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Disclaimer

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