

INNOFEX™

Packaged ammonium nitrate fuel oil (ANFO) blasting agent



PRODUCT DESCRIPTION

INNOFEX™ is a blend of porous ammonium nitrate prill and fuel oil. INNOFEX™ is a free flowing blasting agent used in dry blast holes. INNOFEX™ is oxygen balanced to offer optimal energy and it is suitable for small and medium-to-large diameter holes. INNOFEX™ is not suitable for use in wet holes.

PRODUCT FEATURES

APPLICATION

INNOFEX™ is used in dry blast hole conditions for both surface and underground blasting operations

FEATURES

- Initiation – Pneumatically loaded INNOFEX™ can be initiated with a high strength detonator, INNOPAK™ cartridge, or a suitable booster
- Bulk density – 0.82 g/cm³
- Blow-loaded density – 0.95-1.05 g/cm³
- VOD – 3000-4200 m/s depending on hole diameter
- Water resistance – not resistant to water
- Relative weight strength* – 100
- Relative bulk strength* – 100

*The effective energy relative to ANFO at a density of 0.8 g/cm³ and energy of 3.82 MJ/kg (energy values are calculated using BME thermodynamic code – IPX)

RECOMMENDATIONS

- Hole temperature – recommended for use in temperature up to 60 °C
- Shelf life – 12 months in dry storage conditions
- First aid - refer to Safety Data Sheet for first aid information
- Safety – all explosives are classified as dangerous goods and can cause damage to property, personal harm or death if not used correctly
- Transportation and storage – all explosives must be transported in accordance with relevant regulations and must be stored in cool, dry, well ventilated magazines

PACKAGING

- 25 kg in clear LDPE liner packed in a white poly-woven outer bag

UN CLASSIFICATION (TRANSPORT)

- Class 1.1 D, UN No. 0082, EXPLOSIVE, BLASTING, Type B

PRODUCT RISK PROFILE

- Classified as hazardous substance, dangerous goods with mass explosion hazard
- Stable under normal storage conditions
- Severe detonation hazard when exposed to heat
- Detonation can occur from extreme impact, extreme friction, or excessive heating
- Hazardous gases are emitted (nitrogen oxides and carbon oxide) on thermal decomposition
- DO NOT ATTEMPT TO FIGHT AN EXPLOSIVES FIRE

