

AMONIT



Description

Amonit is powder form explosive based on ammonium nitrate and trinitrotoluene. It doesn't contain nitroglycerine or nitroglycol or toxic substances like dinitrotoluene. The high content of trinitrotoluene ensures reliable initiation and better detonating results in comparison with AN-FO.

Technical data

Trinitrotoluene content:	18%
Density:	0.98-1.08 gr./cm ³
Relative weight strength:	72%
Velocity of detonation:	4,200 m/sec
Strength (Trauzl lead block test):	340 cm ³
Brisance (Hess test):	14 mm
Sensitiveness:	30 mm
Energy of explosion:	1,000 Kcal/Kg
Gas volume:	900 lt./Kg
Explosion temperature:	2930°C
Oxygen balance:	+1.0%
Friction sensitivity:	>36 kg pistil load
Impact sensitivity:	2 kp m

5% deviation is permitted to the above specifications.

Application

Amonit is relatively low cost explosive, suitable for use in small and medium diameter drill holes. It is used extensively in quarries and construction works where soft or rocks of medium degree of hardness exist. Because of the lack of nitroglycerine or nitroglycol, they are more safe in use. Powder explosives is sensitive to moisture and is not recommended for use in wet conditions. It can be initiated by a No.8 plain detonator.

Product range and packaging

Depending on the application, **Amonit** is delivered both in waxed paper and plastic film cartridges. All cartridges are placed in corrugated board cases of 25 Kg net weight.

Cartridge dimensions (mm)	Cartridge weight (gr)	Number of cartridges/box	Case net weight (Kg)
Waxed paper cartridges 28x220	150	160	25
Plastic film cartridges 38x500	500	48	25
65x500	1500	16	25



Storage

Amonit should be handled, stored and used according to the national laws and regulations. It should be stored in a cool, dry, well-ventilated place. Storage temperatures above +32°C should be avoided especially when temperature fluctuates around this figure.

Storage up to +60°C is safe. **Amonit** is sensitive to moisture. Provided that storage conditions are appropriate, it is recommended to use **Amonit** within 12 months. Product shelf life can be further extended after examined by the supplier.

Product classification

Commercial Name:	Amonit
Technical Name:	Explosive, blasting, type B
UN-number:	0082
Division/Compatibility Group:	1.1D



CE