



ANFONIT®

Booster Sensitive Explosives



Product Description

ANFONIT® is a booster sensitive explosive material, prepared by mixing Porous-Prill Ammonium Nitrate and fuel oil. ANFONIT® is not resistant to water and is used in dry holes. Due to its granular form, it offers optimum hole charge in dry holes. In holes and formations with low to moderate water content, ANFONIT® can be used after the wet part is charged with emulsion type explosive. It is not appropriate to use ANFONIT® with plastic bags in wet holes. ANFONIT® is commonly used in medium to large diameter holes. If ANFONIT® is to be used in small diameter holes, it is not recommended to initiate the hole with detonating cord. ANFONIT® can be charged pneumatically or by charging trucks, creating a rational charging scheme and high energy output in holes, resulting in high blasting efficiency. Not recommended to be used in horizontal hole applications with diameters less than 45mm.

Application Recommendations

Widely used as main explosive for bottom and column charge for the following applications:

- In all types of blasting operation performed in coal mining, metal mining, for raw material quarries of lime stone and cement industry, in stone quarries, highway construction project, in dam projects, trench blasting and special blasting operations.

Properties

Density (g/cm³)	0.77 – 0.82
Energy (MJ/kg)	3.90
Gas Volume (lt/kg)	974
Detonation Temperature (°C)	2565
V.O.D. (m/s)	3500*
Water Resistance	No
Shelf Life	6 Months
Extreme temperatures	-10 °C / +40 °C

* 125mm plastic cartridge

** All values may vary by ±%3

Hazardous Shipping Description

**U.N. No: 0332 Class 1.5D
 Explosive, Blasting Type E**





Firing/Initiation

In order to obtain performance from blasting operations with ANFONIT®, the explosive shall be initiated with sufficient amount of cap sensitive Powermite®.

Handling

The product must be transported in accordance with local and national regulations or directives / guidelines from authorities. No smoking, fire, sparks or welding. No source of ignition. Keep product clean and free from contamination.

Storage

Store in cool, dry, well-ventilated location. Store in compliance with local and national regulations or directives/guidelines from authorities. No smoking, fire, sparks or welding. Must not be stored with flammable substances and ignition sources.

Safety Instructions

If not stored, handled or used properly, explosives may cause harm to humans or the environment. All types of explosives shall be stored, handled and used in compliance with laws and regulations.

PACKAGING	
Weight of Product / Bag (kg)	25
Bag Dimensions (mm)	420x600x130*
Layering of Bags	double
Water Resistance of Bags	yes
PP/PE	yes

Different sizes and options in packaging can also be offered as per customer requests.

**full bag dimensions*

± %1 weight draft

Product Disclaimer. Nitromak DNX A.Ş. and its subsidiaries disclaim any warranties with respect to this product, the safety or suitability thereof, or the results to be obtained, whether express or implied, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND/OR OTHER WARRANTY. Buyers and users assume all risk, responsibility and liability whatsoever from any and all injuries (including death), losses, or damages to persons or property arising from the use of this product. Under no circumstances shall Nitromak DNX A.Ş. or any of its subsidiaries be liable for special, consequential or incidental damages or for anticipated loss of profits.