

**TECHNICAL DATA SHEET**

# ANFO PESADO (HEAVY ANFO)

Generic Name by SUCAMEC: HEAVY ANFO

**DESCRIPTION AND COMPOSITION:**

HEAVY ANFO manufactured by FAMESA EXPLOSIVOS S.A.C. is a high energy blasting agent with sensitizing components that allow it to obtain a high detonation velocity and detonation pressure, it is safe, water resistant and provides a good quality of blasting gases that ensures as an effect an improvement in the breakthroughs and in the breakage volumes.

**USES:**

HEAVY ANFO withstands high hydrostatic pressures and generates a high volume and pressure of gases, for its initiation it is recommended to use a Primer of adequate size and weight according to diameter and depth.

The handling temperature range of the HEAVY ANFO is from 5°C up to 30°C. For different temperatures it is recommended to contact the Technical Assistance area.


**TECHNICAL CHARACTERISTICS:**

	UNIT	HEAVY ANFO
Relative density	g/cm <sup>3</sup>	1.23 ± 5%
Velocity of Detonation (*)	m/s	5 000 ± 600
Detonation pressure	kbar	90
Energy	cal/g	3 140
Normal volume of gases	l/kg	1 001
Relative power by weight (**)	%	84
Relative power by volume (**)	%	128
Water resistance	---	Excellent
Sensitivity to HDP Booster	---	1 pound

(\*) Detonation velocity confined in 6-inch diameter iron pipe.

(\*\*) Relative powers referred to ANFO with a conventional power of 100.  
The values expressed are results at normal conditions (20°C and 1 atm.)

**PACKAGING:**

It is packaged in a double bag: the inner bag is made of polyethylene with impermeable characteristics, while the outer bag is made of polypropylene, a material resistant to handling and storage, on which the product identification is displayed.

**Packing 1.5D**

	MATERIAL	NET WEIGHT (Kg)	GROSS WEIGHT (Kg)	OUTER DIMENSIONS (cm)
HEAVY ANFO	Plastic	20.0	20.2	104.1 x 33.0

**TRANSPORT:**

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Class : 1  
Division : 1.5D  
UN No. : 0332

**STORAGE AND WARRANTY:**

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HEAVY ANFO should be stored in magazines at **temperatures between 5°C and 30°C**, located in safe, well ventilated, dry areas, protected from rain and heat. Also, the explosive inventory should be rotated, avoiding the use of new materials before using old ones. And it must be stored according to the current compatibility table of the relevant authority.

HEAVY ANFO stored in its original packaging and under the above-mentioned temperature conditions has a **guarantee of 6 months** after its date of production.

**WARNING:**

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FAMESA EXPLOSIVOS S.A.C. has safe products, but they may become dangerous elements in inexperienced hands.

The purchaser or user must comply with the applicable regulations during transport, storage and use, as well as train duly all its personnel involved in its loading and handling, providing mechanical aids for loads over 25 kg per person.

FAMESA EXPLOSIVOS S.A.C. assumes no liability for transport, storage and/or improper use their products may experience.

The information and recommendation described in this document do not necessarily cover all product applications nor the different conditions under which it is being used. These are based on the experience, research and tests done by Famesa Explosivos S.A.C., who does not guarantee favorable results nor assume any responsibility, expressed or implied, in relation to the use of these suggestions. This product may be changed without prior notice.