

TECHNICAL DATA SHEET
LOW DENSITY AMMONIUM NITRATE (LDAN)

Product Description

The EHC Low Density Ammonium Nitrate (LDAN) prill is specially produced for the ANFO and HEAVY ANFO; being the most cost-effective bulk explosive for dry, surface and underground blasting applications. Due to its high porosity and low density the EHC LDAN ensure high fuel oil absorption increasing the ANFO's blasting performance when used in its fabrication.

EHC LDAN can be used not only for mining application but also in civil activities.

Technical Properties

Product Properties		Limits	Unit
Purity		≥ 99.0	wt.%
Total Nitrogen		≥ 34.5	wt.%
pH	(10% soln.)	4 - 6	
Moisture		≤ 0.1	%
Bulk Density		700 - 750	Kg/m ³
Fuel Oil Retention		≥ 10	%
Particle Undersize	< 1 mm	≤ 5	%
Typical Particle size	1 - 2 mm	≥ 80	%
Particle Oversize	> 2 mm	≤ 15	%
Organic Carbon		< 0.2	%
Crushing Strength		≥ 0.3	kg-f
Water Insoluble		≤ 0.5	wt.%

Packing

EHC LDAN is available in 25 kg bags and 1,000 kg, 1,100 kg and 1,200 kg PP maxi bags protected with inner PE liner.

Storage Stability

The EHC LDAN packing conditions added to its crushing strength and low moisture, provide extraordinary storage properties, allowing its quality even for long storage periods.