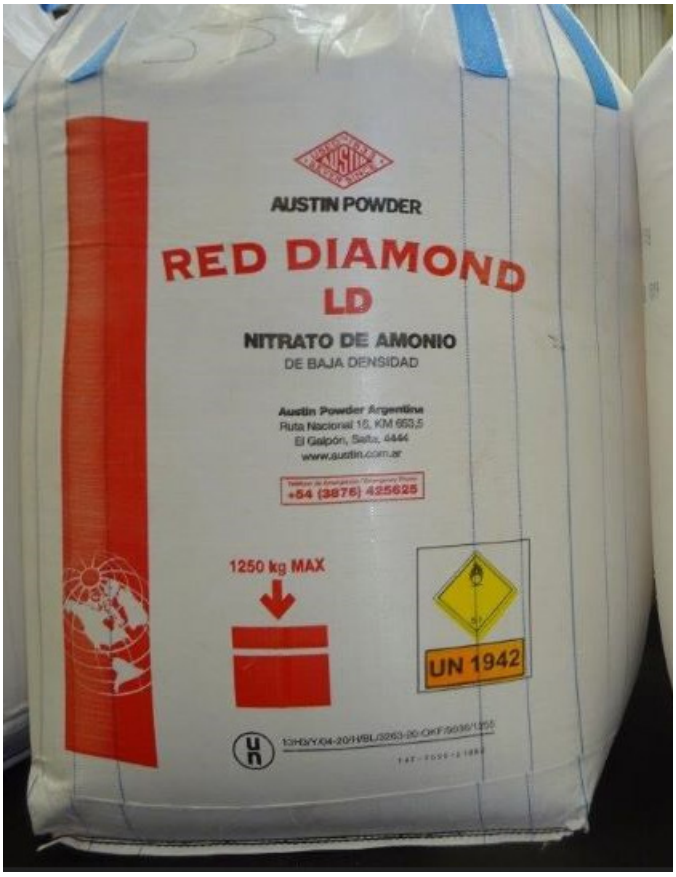
RED DIAMOND LD



Red Diamond LD, low-density ammonium nitrate, is the primary raw material used in the manufacturing of high-quality blasting agents and explosives, especially ANFO (Ammonium Nitrate/Fuel Oil).
It is manufactured by Austin Powder Argentina at its plant located in El Galpón, Salta Province, where a product distinguished by its low density and fuel oil absorption capacity is produced.
These characteristics provide a low critical diameter, optimal sensitivity, and ideal detonation velocity.
Its microporous and microcrystalline structure is achieved through advanced technology, which gives it specific density, absorption, and strength properties to ensure maximum performance in explosive blends.
This product can be used in all types of climates without caking or granule deformation (under recommended storage conditions).

PRODUCT DESCRIPTION

BENEFITS

- Special porous product designed for use in ANFO manufacturing.
- Fast and homogeneous fuel oil absorption.
- Its flow properties allow for rapid loading.
- The mixture is stable and does not lose fuel oil even after several months.
- Detonation stability is achieved quickly and closer to the point of initiation.
- The particles exhibit high resistance to degradation, ensuring consistent quality even after extended storage or transportation periods.

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PROPERTIES

Purity (NH_4NO_3) [%] (min)	98,5%
Humidity (H_2O) [%p/p] (max)	0,20
Aparent Density [g/cm3]	0,68 – 0,78.
Fuel-Oil Absorption [%] (min)	10%
Grain Size Distribution	Más de 2mm 15% max. Menos de 1mm 5% max.
Maximum water-insoluble content [%]	0,5%
Maximum organic matter content [%]	0,2%
pH $_{T=25°C}$ 10% in solution (min) (max)	4,5-7

PRODUCT INFORMATION

STORAGE AND HANDLING

- As a general recommendation, LDAN packages should be stored protected from rain and direct sunlight, preferably in a dry environment and in compliance with the required safety distances.
- It is highly recommended to rotate the ammonium nitrate while in storage under the FIFO rule (First In, First Out). Use is recommended within 12 months from the date of manufacture.

PACKAGING

The product is packaged and commercialized in 1,250 kg bulk bags.

TRANSPORT – UN CLASSIFICATION

Shipping Name: LOW-DENSITY AMMONIUM NITRATE
Class and Division: 5.1
UN Number: UN 1942

Contact your local Austin Powder representative for further information.

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