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TECHNICAL DATA SHEET

PRODUCT: BULK EMULSION – OPEN PIT (E1000LD)

Description

E1000LD is ammonium nitrate emulsion. It is commonly used with Ammonium Nitrate Porous Prills as emulsion explosive blend, and it is water resistant. It can be pumped from bulk truck through a loading hose lowered to the bottom of blast hole.

Properties

Property	E1000 LD (un-gassed)	E1000 LD (gassed)
Average Column Density (g/cc)	1.36 – 1.40	1.20
Recommended Min. diameter (mm)	--	76
Water Resistance	Excellent	Excellent
Recommendation Sleep Time	--	At least 7 days
Sensitivity	Not sensitive	Surface gassed density of E1030 bulk blend at 1.20 g/ml is sensitive to Emulex E150 high explosive
Bulk volume strength, % ²	--	100 (Relative to ANFO)
General description	Oxidising agent	Blasting agent

1. E1000LD is blended with 30% Ammonium Nitrate porous prills to form E1030 which is recommended to use for optimum performance.
2. Calculated based on thermodynamic properties.

Sensitising System

Acid solution	Diluted solution of citric acid
Gassing agent solution	Diluted solution of sodium nitrite

Note: Gassed density 1.05 – 1.20 g/cc within 30min