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TECHNICAL DATA SHEET

PRODUCT: EMULEX[®] B-POWER 1030 (BULK BLEND)

EMULEX[®] B-Power 1030 is a mixture of 70% EMULEX[®] Bulk Emulsion with 30% Ammonium Nitrate prills. The product is sensitised (gassed) with dosage of diluted sodium nitrite solution to lower its density from 1.36 – 1.40 g/cc to 1.05 – 1.25 g/cc.

After sensitisation, the product will be booster sensitive and is used as the main charge in general blasting application. It works remarkably well for wet, and wet/dry blast-holes in mining, quarrying, and construction with its excellent water resistance.

Product Properties

Description	B-Power 1030
Bulk Blend Density (g/cc)	1.20
Minimum diameter (mm)	76
Water Resistance	Excellent
Velocity of Detonation (m/s, approx)	4,000 - 5,500
Sleep Test	7 Days
Energy (MJ/kg) ¹	3.2
Relative volume strength (ANFO = 100) ¹	124

EMULEX[®] B-Power 1030 can be effectively primed with EMULEX[®] E100 or E150 in 55 mm diameter chub or pentolite booster. The booster diameter and total number of boosters will vary with the rock formation and size of boreholes.

Note: 1. Energy value is calculated based on thermodynamic properties.
2. EMULEX[®] B-Power 1030 is not designed for use in reactive (pyritic) ground conditions.

Sensitising System

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

Note: Gassed density 1.05 – 1.25 g/cc within 30min

Disclaimer

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