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COMMERCIAL EXPLOSIVES

Blasting Services

Ammonium Nitrate

Booster

Electric Detonator

Non-Electric Detonator

Emulsion Explosives



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Ammonium Nitrate



Physical/Mechanical Properties

Form	Free flowing white prills
Bulk density (g/cm ³)	0.84
Ammonium Nitrate (%)	99
Prill PH (10% solution)	5.1
Moisture content (%)	0.04
Nitrogen content (%)	34.8 min
Oil absorbency	6 - 7
Anti caking (%)	0.08
Partical size rage (0.5 - 2.5 mm)	99
Self time (month)	12

Booster



Type	150	250	400
Height (mm)	120	120	120
Diameter (mm)	37	45	56
Weight (g)	150	250	400
Materials			
Cartridge	Sodium paper / plastic		
Composition	High explosive		
Characteristic			
Velocity of Detonation (m/s)	7000		
Initiation	Electric & Non Electric detonator		
Density (g/cc)	1,6		
Water resistance	Excellent		
Self life (year)	10		

Electric Detonator



Physical/Mechanical Properties

Type	No. 8 MS Delay Electric Detonator
Tube Material	Cooper
Diameter tube (mm)	6.7
Leg wire material	Cooper
Resistance	0.063
Ignition current (A)	1 min.
Safety current (A) during in 30 second	0.25
Delay number	0 - 20
Delay internal (ms)	25
Self life (years)	2 in close conditioning

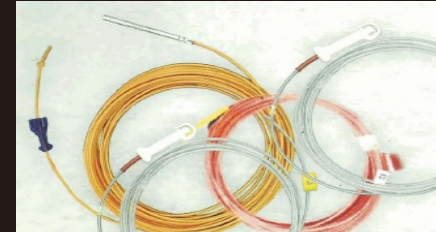
Emulsion Explosive



Physical/Mechanical Properties

Diameter (mm)	25, 32, 40
Weight (gram)	200; 500
Typical density (g/cc)	0.95 - 1.25
VOD confined (m/s)	4.000 - 5.000
Igniter	electric detonator
Relative effective weight strength to ANFO (%)	119 - 112
Fumes	Excellent
Self life (mounth)	12

Non-Electric Detonator



Physical/Mechanical Properties

Type	Trunk Line Delay
Tube Material	Aluminium or Cooper
Typical density (mm)	6.2 - 7
Shck tube length (m)	6; 7; 9; 12; 15
Water proof	electric detonator
Water depth (m)	20
Time (hours)	8
Stretch proof	electric detonator
Static Stretch (N)	78,4
Time (minute)	1
Delay time (ms)	17; 25; 42; 67
Self life (years)	2 in close conditioning