

INNOPAK™

Water in oil emulsion cartridge explosives

PRODUCT DESCRIPTION

INNOPAK™ packaged explosives provide reliable blasting solutions to hard rock mining, quarrying, and construction applications. The emulsion has a firm rheology and is packed into plastic sleeves of various dimensions and colours. The INNOPAK™ product range offers various high energy options and can be supplied in a number of different lengths and diameters or as a combo pack. Please contact a BME representative for customisation of packaging.

Product	Relative weight strength	Relative bulk strength	Nominal density (g/cm ³)
INNOPAK™ Plus	100	143	1.14
INNOPAK™ Super	104	149	1.14
INNOPAK™ Super Plus	111	158	1.14

Calculated at a density of 1.14 g/cm³ and a pressure of 100 MPa. Relative to ANFO at a density of 0.8 g/cm³

PRODUCT FEATURES

APPLICATION

INNOPAK™ is suitable for underground mining applications, blasting in opencast mines, and civil blasting operations

INNOPAK™ Combo Configurations

- INNOPAK™ Combo Super Plus 29 x 270 mm / Plus 29 x 580 mm
- INNOPAK™ Combo Super 27 x 270 mm / Plus 27 x 580 mm

FEATURES

- Nominal density – 1.14 ± 0.06 g/ml
- VOD – 3500 – 5000 m/s dependent on hole and rock characteristics
- Gap sensitivity – contact required for propagation

RECOMMENDATIONS

- Shelf life – 9 months from date of manufacturing
- Store under recommended storage conditions
- First aid - refer to Safety Data Sheet for first aid information
- Safety – all explosives are classified as dangerous goods and can cause damage to property, personal harm or death if not used correctly
- Transportation and storage – all explosives must be transported and stored in accordance with relevant regulations

PRODUCT RISK PROFILE

- Classified as hazardous substance, dangerous goods with mass explosion hazard
- Stable under normal storage conditions
- Risk of explosion by shock, friction, fire, or other ignition sources
- DO NOT ATTEMPT TO FIGHT AN EXPLOSIVES FIRE

UN CLASSIFICATION (TRANSPORT)

- Class 1.1 D, UN No. 0241, EXPLOSIVES, BLASTING, Type E

PACKAGING

- Cartridges are packed in boxes with a 25 kg mass (without tamping)

Cartridge size (mm)	Nominal weight (g) (±3g)	Nominal count (Units)
25 x 200	111	227
27 x 270	186	135
27 x 580	404	62
29 x 270	202	125
29 x 580	434	58
32 x 270	246	102
32 x 580	529	47
38 x 270	346	72
38 x 580	747	33
45 x 200	358	70
45 x 270	484	52
45 x 580	1048	24
50 x 270	600	42
50 x 580	1293	19