

POLAR PX MAXISPLIT EDGE SERIES – POLAR PX, PXI



TECHNICAL DATA SHEET – PACKAGED EXPLOSIVES

POLAR PX MAXISPLIT EDGE SERIES

POLAR PX MAXISPLIT EDGE is a watergel explosive presented in a continuous cartridge form. Its design application is pre-shear blasting perimeter walls ahead of the main blast. Initiated by a detonator via a surface trunk line, it has application-specific 10g/m detonating cord running internally through the entire length of the product. This ensures complete functioning of the length of the cartridge.

APPLICATION

POLAR PX MAXISPLIT EDGE is designed specifically for use in pre-split blasting. It is suited to hard rock operations where smaller diameter holes are drilled (76mm to 127mm).

The product is specifically designed to increase the explosive energy output compared to standard POLAR PX RAZOR CUT when a blasting situation requires increased energy e.g. harder rock regions, highly jointed regions of presplit blasting or high bench regions requiring presplit blasts with weights that can be manually handled into a blast hole without mechanical assistance.

The inhibited version of the product is suitable for use where reactive ground conditions exist.

PHYSICAL PROPERTIES

Explosives Class	1.1D
UN Number	UN0241
Density	1.2 g/cc
Velocity of Detonation* (VOD)	Watergel: 4300 m/s Detonating Cord: 6500 m/s
Water Resistance	Excellent

*Product VOD is dependent on VOD of detonating cord.

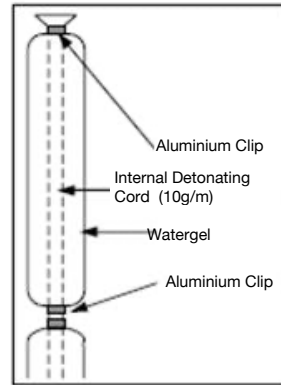
RECOMMENDATIONS

Use: Presplit shots need to be drilled such that the resulting explosive distribution suits local geological conditions. POLAR PX MAXISPLIT EDGE is available in standard and inhibited formulations for reactive ground conditions.

Priming: A minimum No.8 strength detonator is required for reliable initiation of this product.

Water Resistance: POLAR PX MAXISPLIT EDGE has excellent water resistance.

Temperature Range: The product is recommended for use in ambient temperatures up to 55°C.



Shelf Life: POLAR PX MAXISPLIT EDGE has a shelf life of one (1) year when transported and stored under ideal conditions.

Sleep Time: Maximum sleep time is dependent on ground conditions however the sleep time of other explosives used in the shot may be the limiting factor overall.

It is recommended that the product be loaded and fired on the same shift.

AVAILABLE PRODUCT SIZES

Diameter mm	Charge Kg/m	Quantity m/case	Case Weight Kg
26	0.68	28.0	19
32	0.78	15.5	17.6

* All weights include the internal 10g/m detonating cord.

On request, other diameter POLAR PX MAXISPLIT EDGE cartridges can be manufactured.

SAFETY

First Aid – Please refer to the Safety Data Sheet for POLAR PX, PXI MAXISPLIT EDGE, Nitro Sibir Australia Ref. PE11.

Safety - All explosives are classified as dangerous goods and must be handled and stored with care. Misuse may result in personal injury and/or damage to property. Explosives should only be handled by persons with the appropriate technical skills, experience, training and licences.

Transportation and Storage – All explosives must be handled, transported and stored in accordance with all applicable state and federal statutory regulations.



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