

TECHNICAL DATA SHEET



PRIMASHEAR®

Linear Explosive

Properties

SDS
#1126

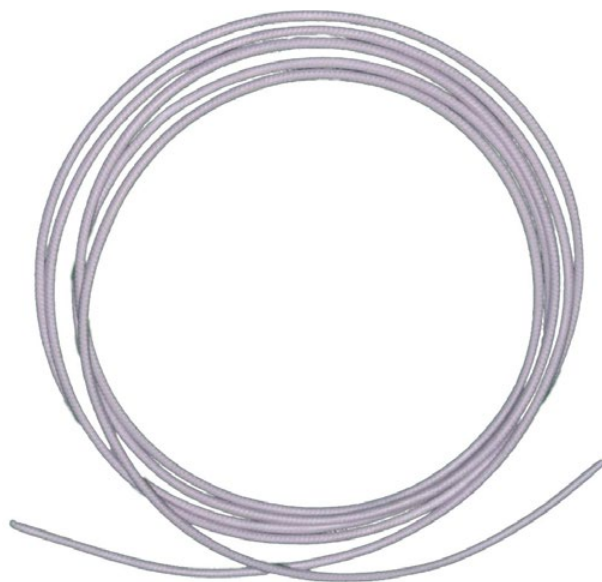
Velocity of Detonation (m/s) 5,000
(ft/s) 16,400

Detonation Pressure (psi) 600,000

See page 2 for further PRIMASHEAR linear explosive properties.

Hazardous Shipping Description

- Cord, Detonating, 1.1D, UN 0065, PG II



PRODUCT DESCRIPTION

PRIMASHEAR is a low velocity, linear explosive designed for downhole use in dimension stone splitting and shearing applications. The lower detonation pressure and velocity of PRIMASHEAR allow the user to reduce crack generation between closely spaced holes, resulting in reduced radial cracking as well as improved rock displacement.

APPLICATION RECOMMENDATIONS

- **ALWAYS** use a minimum 5.3 g/m (25 gr/ft) detonating cord trunkline, such as PRIMACORD 5 detonating cord as a trunkline to initiate PRIMASHEAR.
- **ALWAYS** cut PRIMASHEAR linear explosives with a sharp, non-sparking knife.
- **ALWAYS** use a clove hitch knot when connecting PRIMASHEAR downlines to trunklines and **ALWAYS** use a continuous length of PRIMASHEAR in the borehole.
- **NEVER** attempt to cut PRIMASHEAR linear explosive by abrasion or with a blow from a sharp or blunt object.
- **NEVER** attempt to initiate shock tube or other initiation products (i.e. detonating cords) with PRIMASHEAR linear explosives. **NEVER** use PRIMASHEAR as a trunkline.
- **NEVER** initiate PRIMASHEAR directly using a detonator.
- **NEVER** tie two lengths of PRIMASHEAR together. Reliable initiation cannot be assured through such a connection.
- Minimum recommended cord initiator is a 5.3 g/m (25 gr/ft) detonating cord, such as PRIMACORD 5, or another detonating cord with an equal explosive coreload.

TRANSPORTATION, STORAGE AND HANDLING

- PRIMASHEAR must be transported, stored, handled and used in conformity with all federal, state, provincial and local laws and regulations.
- For maximum shelf life (5 years), PRIMASHEAR must be stored in a cool, dry, well ventilated magazine. Explosive inventory should be rotated. Avoid using new materials before the old. For recommended good practices in transporting, storing, handling and using this product, see the booklet "Prevention of Accidents in the Use of Explosive Materials" packed inside each case and the Safety Library publications of the Institute of Makers of Explosives.

Product Disclaimer: Please see reverse side.

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Properties Cont.

Packaging

Product	PETN Coreload		Outside Diameter		Tensile Strength		Color / Counter	Weight / Case		Spools / case	Length / Spool		Net Explosives Content NEC / 1000 ft	
	g/m	gr/ft	mm	in	kg	lbs		kg	lbs		m	ft	kg	lbs
PRIMASHEAR® 4	3.6	18	3.23	0.127	23	50	Clear	13.1	28.8	2	610	2000	1.22	2.5720
PRIMASHEAR 5	5.3	25	3.58	0.141	50	110	Clear	17.4	38.3	2	458	1500	1.70	3.5730
PRIMASHEAR 8	8.6	40	4.37	0.172	50	110	Clear	18.1	39.9	2	305	1000	2.72	5.7162
PRIMASHEAR 8C	8.6	40	4.37	0.172	50	110	Yellow / All White	18.1	39.9	2	305	1000	2.72	5.7162

ADDITIONAL INFORMATION – Visit dynonobel.com for Brochures and Case Studies related to this product.

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