

# TECHNICAL DATA SHEET



## BLASTEX® TX

### Small Diameter Booster Sensitive Emulsion

#### Properties

SDS  
#1063

<b>Density</b>	(g/cc) Avg	1.26
<b>Energy<sup>a</sup></b>	(cal/g)	722
	(cal/cc)	910
<b>Relative Weight Strength<sup>a</sup></b>		0.82
<b>Relative Bulk Strength<sup>a,b</sup></b>		1.26
<b>Velocity<sup>c</sup></b>	(m/s)	4,700
	(ft/s)	15,400
<b>Detonation Pressure<sup>c</sup></b>	(Kbars)	71
<b>Gas Volume<sup>a</sup></b>	(moles/kg)	42.8
<b>Fume Class</b>		IME1
<b>Shelf Life Maximum</b>		1 year (from date of production)
<b>Maximum Water Depth</b>		45 m (150 ft)
<b>Water Resistance</b>		Excellent

<sup>a</sup> All Dyno Nobel Inc. energy and gas volume values are calculated using PRODET™ the computer code developed by Dyno Nobel Inc. for its exclusive use. Other computer codes may give different values.

<sup>b</sup> ANFO = 1.00 @ 0.82 g/cc

<sup>c</sup> Unconfined @ 75 mm (3 in) diameter

#### Hazardous Shipping Description

- Explosive, Blasting, Type E, 1.5D, UN 0332 II



#### PRODUCT DESCRIPTION

BLASTEX TX is a booster sensitive, water resistant, packaged emulsion explosive specifically formulated to provide increased resistance to hydrostatic and/or dynamic transitory shock pressures which can result when used in wet and/or water saturated geologies. High strength microsphere density control ensures consistent explosive performance under increased hydrostatic pressures and in saturated ground conditions where the transmission of dynamic shock pressures from detonating blastholes would normally reduce the performance of standard cast booster sensitive explosives awaiting initiation in adjacent blastholes.

BLASTEX TX is a cost effective alternatives to most detonator sensitive, water resistant, packaged emulsion explosives and is available in easy-to-load Valeron plastic chub cartridges.



#### APPLICATION RECOMMENDATIONS

- Package diameter and type affect product density. Use cartridge count to determine actual explosive charge weight.
- Ensure continuous column loading. For column lengths in excess of 6 m (20 ft) or whenever column separation is suspected, multiple priming is recommended.
- ALWAYS** use a cast booster as a primer for BLASTEX TX to ensure maximum performance.
- ALWAYS** use a 340 g (12 oz) or larger cast booster with BLASTEX TX at internal product temperatures higher than -18° C (0° F). At internal product temperatures below -18° C (0° F) and higher than -34° C (-30° F) use a 454 g (16 oz) or larger cast booster.
- NEVER** use BLASTEX TX at internal product temperatures below -34° C (-30° F). At internal product temperatures below -34° C (-30° F), adequate product warm-up time must be allowed after loading into boreholes and before initiation.
- Use with detonating cord is not recommended.

Product Disclaimer: Please see reverse side.

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#### Properties Cont.

##### Packaging, Chub

Diameter x Length		Case Quantity	Net Explosive Weight*		Net Explosive Weight / Chub	
mm	in		kg	lbs	kg	lbs
50 x 400	2 x 16	18	18.2	40	1.00	2.20
57 x 400	2 1/4 x 16	14	17.7	39	1.26	2.78
65 x 400	2 1/2 x 16	12	18.2	40	1.51	3.33
70 x 400	2 3/4 x 16	9	17.3	38	1.92	4.23
75 x 400	3 x 16	8	18.2	40	2.27	5.00
90 x 400	3 1/2 x 16	6	16.8	37	2.77	6.11

##### Case Dimensions

44 x 35 x 20 cm      17.25 x 13.875 x 7.7514

#### TRANSPORTATION, STORAGE AND HANDLING

- BLASTEX TX must be transported, stored, handled and used in conformity with all applicable federal, state, provincial and local laws and regulations.
- Packaged emulsions have a shelf life of one (1) year when stored at temperatures between -18° C and 38° C (0° F and 100° F). 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.

#### PACKAGING DETAILS

- Package diameter and type affect product density. Use cartridge count to determine actual explosive charge weight.
- All weights are approximate.
- BLASTEX TX is available in a wide variety of sizes. Custom sizes are subject to surcharge and may require longer than usual lead times.
- Check with your Dyno Nobel representative should you have any questions.

\*Add two pounds for Gross Case Weight

**ADDITIONAL INFORMATION** – Visit [dynonobel.com](http://dynonobel.com) for Brochures and Case Studies related to this product.

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