

# TROJAN® TWINPLEX®

## Technical Information



## Cast Booster



### Product Description

TROJAN TWINPLEX cast boosters are detonator sensitive, high density, high energy molecular explosives. TROJAN TWINPLEX cast boosters are designed with 2 detonator wells and an enlarged through-tunnel to accommodate the use of 2 detonators where required. TROJAN TWINPLEX cast boosters are formulated from the highest quality PETN and other high explosive materials ensuring reliability, consistency and durability in all blasting environments.

### Application Recommendations

- **ALWAYS** use detonator(s) only with TROJAN TWINPLEX cast boosters.
- **NEVER** use detonating cord with TROJAN TWINPLEX cast boosters. The through-tunnel has been widened to accommodate two detonators, where required. Use of detonating cord may cause misfires, which may kill or injure.
- **NEVER** force the detonator into the through-tunnel, the detonator-well or otherwise attempt to clear these areas if obstructed. If the through-tunnel or detonator-well does not accommodate the detonator, do not use the cast booster. Notify your Dyno Nobel representative.
- Minimum detonator is No. 8 strength for temperatures above -40° C (-40° F). A high strength detonator is recommended for temperatures below -40° C (-40° F).

## Properties

MSDS  
#1108

Density	(g/cc) Avg	1.60
Velocity	(m/sec)	7,550
	(ft/s)	24,800
Detonation Pressure	(Kbars)	235
Water Resistance	6 months with no loss of sensitivity	
Shelf Life Maximum	5 years (from date of production)	
Maximum Usage Temperature	60°C (150°F)	

All Dyno Nobel Inc. energy and gas volume values except Velocity and Detonation Pressure are calculated using PRODET™ the computer code developed by Dyno Nobel Inc. for its exclusive use. Other computer codes may give different values.

Velocity and Detonation Pressure are the result of empirical methods during May 2009.

### Hazardous Shipping Description

UN 0042 Boosters, 1.1D PG II



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### Application Recommendations (continued)

- Extremely low temperatures do not affect the performance of cast boosters with commercial detonators. Low temperatures do affect detonators and detonating cord. Be certain your initiation system is suitable for your application in extremely low temperatures. Cast boosters are more susceptible to breakage during handling in extremely cold temperatures.

### Transportation, Storage and Handling

- Dyno Nobel cast boosters 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), Dyno Nobel cast boosters must be stored in a cool, dry, well ventilated magazine. Explosive inventory should be rotated. Avoid using new materials before the old.

### Packaging

Unit Weight		Unit Dimensions				Case Quantity	Gross Weight / Case	
g	oz	Length		Diameter			kg	lbs
		cm	in	cm	in			
450	16	11.7	4.6	5.7	2.3	36	16.9	37.3

**Note:** All weights and dimensions are approximate.

### Case Dimensions

42 x 33 x 14 cm

16½ x 13 x 5½ in

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### Dyno Nobel Inc.

2795 East Cottonwood Parkway, Suite 500, Salt Lake City, Utah 84121 USA  
Phone 800-732-7534 Fax 801-328-6452 Web [www.dynonobel.com](http://www.dynonobel.com)

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