

TECHNICAL DATA SHEET

SOLARCAST-P BOOSTER CAST BOOSTERS

SAFETY • QUALITY • RELIABILITY



DESCRIPTION

SOLARCAST-P Booster is a highly energetic explosive composition cast into a cylindrical cardboard/plastic shell. The **SOLARCAST-P Booster** contains PETN (pentaerythritol tetranitrate). **SOLARCAST-P boosters** can reliably be initiated by means of detonating cords containing at least 5.0g/m mass detonating Cords and detonators of 8D strength. **SOLARCAST-P Boosters** are specifically designed to provide reliable initiation of pumped, augured & packaged explosives products. The main intended application being for the use of ANFO and Bulk explosives.

APPLICATION

Underground, Open Pit, Quarry and Construction

APPEARANCE

Orange cylindrical cardboard/plastic shell with two longitudinal tunnels in the booster to accommodate either a detonator or detonating cord. One tunnel has straight walls while the other is stepped at the top of the booster to provide a stop for the detonator.

FEATURES

- Excellent performance with regard to accuracy, high strength
- Excellent water resistance
- Ease and convenience with regard to handling
- Booster suitable for temperatures up to 65°C
- Initiates pumped, augured and packaged explosives (main use for ANFO and Bulk Emulsions)
- High VOD
- Fully protects the detonator

STORAGE

Store under moderate temperatures and dry conditions in well ventilated approved explosives storage facility or approved licensed magazine.

SHELF LIFE

When stored in cool, dry, well ventilated magazine and handled properly, the maximum shelf life of product is 36 months from date of manufacture.

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SHIPPING INFORMATION

Class / Division 1.1
Group D
UN No. 0042

PACKAGING

SOLARCAST P - booster are packed in cardboard cases.

Product **Units per case**

SOLARCAST P – Cast boosters 150g 80
SOLARCAST P – Cast boosters 400g 30

TECHNICAL PROPERTIES

Mass	400g	150g
MOC of Shell: Cylindrical Cardboard/plastic shell		
Diameter(mm)	56.5	40
Length (mm)	115 ± 2.0	95 ± 2.0
Tunnel diameter	8.0 ± 0.2 mm	
Nominal Length	10.3 ± 0.2 mm	
Nominal density	1.55 ± 0.05 g/cc	
VOD (m/sec)	7500 ± 500	
Shell colour	Orange	
Water Resistance	Excellent	
Oil Resistance	Excellent	

SAFETY

Cast boosters contains molecular explosives which can be initiated by intense heat or friction. As with high explosives, these boosters should be handled and stored with care. Booster must not be allowed to have impact with a solid surface or other boosters, any such collision may cause damage and lead to misfire or un-planned detonation. Do not use detonators that cannot be completely contained within booster, as this could lead to damage of detonator resulting in a misfire or un-planned detonation.

IMPORTANT INSTRUCTIONS

- Recommended detonator to be a minimum of 8D strength to ensure reliable initiation.
- Recommended detonating cord to be a minimum of 5g/m to ensure reliable initiation.

DISCLAIMER

All information contained on this case is accurate and up to date. Solar Mining Services cannot anticipate or control the circumstances under which this review of information in the specific context of the intended application. Solar Mining Services will not be responsible for any damage of any nature resulting from those implied warranties, given other than those implied mandatories by local legislation.