



# PRODUCT INFORMATION

## BROCHURE

1.1D

## AVALANCHE CONTROL BOOSTERS



**Avalanche Guard, Classic Snow Launcher, and Snow Slugger** are high energy cast pentolite, shaped boosters designed to deliver explosive power in precise locations to create controlled avalanches.

Traditional **Austin DC Boosters** are also available for avalanche control.

### PRODUCT OVERVIEW

#### TECHNICAL DESCRIPTION

Austin Powder's cast booster products and specialized avalanche control boosters use high energy pentolite in a variety of packages which makes it adaptable for many avalanche control applications.

#### APPLICATION RECOMMENDATIONS

- Consult CIL Avalanche or Austin Powder before using avalanche control explosives.
- Avalanche control explosives are to be used only in their intended applications.
- Only individuals trained in the use of avalanche control explosives should be involved with their use.
- Prime cast booster products according to manufacture's recommendations.

#### ADVANTAGES

- Specially designed to be used in a variety of avalanche control applications.
- Adaptable for a variety of launching and delivery mechanisms.
- Excellent shelf life and water resistance for snowy and wet conditions.
- RECCO chip-technology in Snow Launcher products for additional safety and security.
- Translucent tail fin for easy inspection of the initiation point.

## PROPERTIES

Properties	Value	
Density [g/cc]	1.68	
Detonation Pressure [kb]	239	
Water Resistance	Excellent	
Relative Weight Strength <sup>(1)</sup>	187	
Relative Bulk Strength <sup>(1)</sup>	384	
Velocity of detonation (confined) <sup>(2)</sup>	[ft/s]	24,187
	[m/s]	7,597

Relative properties derived from an ANFO density = 0.82 g/cc @ 100 bar

Relative energy values based on ANFO = 100

Notes:

(1) Theoretical values based on Austin modeling which assumes ideal detonation.

Values calculated with other codes may differ.

(2) The velocity of detonation will depend on application, diameter and confinement.

## PRIMING

Appropriate detonators and firing mechanisms should be used with these products. Consult Austin Powder or CIL Avalanche for details.

## STANDARD PACKAGING

Product Name	Weight		Units per Case
	[oz]	[g]	
Avalanche Guard	146	4143	5
Snow Launcher Classic	34	970	16
Snow Slugger	78.3	2223	7
Orange Cap DC	16	454	36
White Cap DC	32	900	18
Grey Cap DC	80	2270	8

## SHELF LIFE, STORAGE & DISPOSAL

- Shelf life is five years from date of manufacture, under good storage conditions.
- Store in accordance with all applicable local, state, provincial and federal laws.
- Disposal of explosive materials can be hazardous. Methods of safe disposal of explosives may vary depending on the user's situation. Please contact an Austin Powder Technical Representative for information on safe practices.
- Disposal must be in accordance with local and national legal requirements.

## TRANSPORT - UN CLASSIFICATION

Shipping Name: Boosters

Class & Division: 1.1D

ID Number: UN 0042

## US DOT REFERENCE NUMBER

EX-1993030285

Disclaimer of Warranties and Limitations of Liabilities: Products described in this document are sold by CIL without warranty; express, implied or statutory or as to MERCHANTABILITY, except as expressly stated in CIL straight bill of lading. Under no circumstances shall seller be liable for loss of anticipated profits, consequential damages or incidental damages. For more information and service locations please contact CIL's headquarters:



**AUSTIN POWDER**

**Our Mission: To improve the world we live in through the safe and responsible use of explosives.**

Austin Powder, 25800 Science Park Drive, Cleveland, OH 44112 USA  
[austinpowder.com](http://austinpowder.com) | Phone 1-800-321-0752 | Fax 1-216-464-4418