

APD®-P Series

Cast Booster

DESCRIPTION

The APD®-P Series is a pentolite cast booster used for initiating blasting agents in surface mining, quarries, and construction blasting. The booster has a protective plastic shell with plastic endplates that provide extra protection from water and physical damage over conventional cardboard shells. The series ranges in size from 1/3lb (150g) to 2lb (900g).



APD®-P SERIES TECHNICAL CHARACTERISTICS

Explosive Type	Pentolite
Density (g/cc)	1.62 ± 3%
Detonation Pressure (GPa)	21.6
Detonation Velocity ft/s (m/s)	23,600 ± 3% (7,200 ± 3%)
Energy (kJ/kg)	5,598
Gas Volume (l/kg)	692
Water Resistance	Excellent

Transport and UN Numbers

UN 0042
Class 1 Division 1
1.1D



APD®-P SERIES DIMENSIONS AND CASE QUANTITIES

Product	Unit Weight	External Diameter	Length	Number of det -wells	Units per Case	Case Weight
ADP-P-150	1/3 lb – 150 g	1.4" – 36 mm	4 3/4" – 121 mm	1	88	29.3 lb – 13.2 kg
ADP-P-225	1/2 lb – 225 g	1.7" – 42.8 mm	4 3/4" – 121 mm	1	60	30 lb – 13.5 kg
ADP-P-450	1 lb – 450 g	2.4" – 59.7 mm	4 3/4" – 121 mm	2†	30	30 lb – 13.5 kg
ADP-P-675	1 1/2 lb – 675 g	†	4 3/4" – 121 mm	2	30	45 lb – 22.5 kg
ADP-P-900	2 lb – 900 g	3.3" – 82.7 mm	4 3/4" – 121 mm	2	16	32 lb – 14.4 kg

† The APD-P-675 is conical in shape with the large diameter = 3 3/8" and the small diameter = 1 1/2"

‡ The APD-P-450 has a det lock in each det well

Case Dimensions: 16.1" x 13.3" x 5.1" or 41 x 34 x 13 cm

APD®-P SERIES RECOMMENDED USES

The APD®-P Series boosters must be initiated with either a #8 strength (USBM) (or greater) detonator or at least 50 gr/ft (10 g/m) detonating cord.

The APD®-P Series boosters do not contain a sensitizing bottle or balloon and will not reliably detonate with 25 gr/ft (5 g/m) or less detonating cord.

APD®-P SERIES STORAGE AND SHELF LIFE

Keep in original packaging and store in approved Class 1.1D rated magazines under cool, dry, and well-ventilated conditions.

Unused product has a 60-month shelf life.