

## DOMITE AP

### SMALL DIAMETER DETONATOR SENSITIVE EMULSION



#### Product Description

DOMITE AP is detonator sensitive, all-purpose, water resistant, packaged emulsion explosives that is recommended for underground drifting, quarry and construction blasting applications in medium rock types.

DOMITE AP is available in the following package types:

- Chub/Pnp Film
- Chub/Valeron Film

#### Application Recommendations

• DOMITE AP will perform in temperatures from -20° to +50° C (-4° to 122° F). At internal product temperatures higher than -18° C (0° F), **ALWAYS** use a DOCALSA high strength detonator or equivalent. At internal product temperatures below -18° C (0° F) and higher than -23° C (-10° F), **ALWAYS** use a 10 gram or larger cast booster. For internal product temperatures below -23° C (-10° F), consult your DOCALSA representative for the recommended cast booster size.

• Use with detonating cord is not recommended. Consult your DOCALSA representative for details.

• Emulsion explosives are susceptible to “dynamic shock” and may detonate at low order or fail completely when applied in very wet conditions where explosive charges or decks are closely spaced and/or where geological conditions promote this effect. Consult your DOCALSA representative for alternate product recommendations when these conditions exist.

#### PROPERTIES

DOEXSA/PR. N#013

		DOMITE
Density	(g/cc) Avg	1.15
Energy	(cal/g)	775
	(cal/cc)	890
Relative Weight Strength		0.88
Relative Bulk Strength		1.24
Velocity	(m/s)	5,200
	(ft/s)	17,060
Detonation Pressure	(Kbars)	63
Gas Volume	(moles/kg)	41
Shelf Life Maximum	1 year (from date of production)	
Maximum Water Depth	90 m (300 ft)	
Water Resistance	Excellent	
Fume Class	IME1 & NRCan1	

\*All DOCALSA 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.

\*ANFO = 1.00 @ 0.82 g/cc .

\*Unconfined @ 32 mm (1 1/4 in) diameter.

\*Approved by Natural Resources Canada as Fume Class 1 in chub/PMP packaging only.

\*DOMITE is IME Fume Class 1.

#### Hazardous Shipping Description

Explosive, Blasting, Type E, 1.1D, UN 0241 II



#### Transportation, Storage and Handling

• DOMITE AP 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.

## DOMITE AP

### SMALL DIAMETER DETONATOR SENSITIVE EMULSION

Packaging – Chub. (25 Kg/55 Lb. Per Case)

Diameter x Length		Case Quantity	Net Explosive Weight	
mm	in		Kg	Lbs
25 x 400	1 x 16	104	0.240	0.52
50 x 400	2 x 16	26	0.96	2.11
65 x 400	2 ½ x 16	15	1.6	3.52
75 x 400	3 x 16	8	3.10	6.82

- Package diameter and type affect product density. Use cartridge count to determine actual explosive charge weight. Note: All weights are approximate.
- DOMITE AP 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 DOCALSA representative should you have any questions.

#### Case Dimensions

44 x 35 x 20 cm

17.375 x 14 x 7.6875 in



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