

EMULEX® 150

PRODUCT INFORMATION BROCHURE

EMULEX® 150 is a detonator sensitive packaged emulsion explosive, designed for priming applications in blasting. This is the most common product that is used to prime the blast-hole. The high energy explosive is grey in colour, packaged in plastic film. Emulex® 150 is a aluminized product to enhance its overall detonation strength. It works remarkably well for wet and dry blast holes in open pit, underground and general blasting.

ADVANTAGES

- High energy allows an extended drilling pattern for more economical blasting cost.
- Develops excellent gas volume for heave displacement.
- Very low amount of toxic fumes.
- Good borehole coupling characteristics when the diameter of product applied is matched to the dimensions of the blast hole.
- Excellent water resistance.
- Good handling due to stiff cartridges.

PROPERTIES

| Properties | Value |
|--|--|
| Nominal Density [g/cm ³] | 1.2 |
| Oxygen balance [%] ⁽¹⁾ | -0.9 |
| Gas Volume [L/kg] ⁽¹⁾ | 877 |
| Heat of explosion [kJ/kg] ⁽¹⁾ | 3,480 |
| Relative weight strength [ANFO=100] | 89 |
| Relative bulk strength [ANFO=0.85 g/cm ³] | 126 |
| Velocity of detonation [m/s] ⁽²⁾ (without confinement) | 4,500 (diameter 35 mm) 5,500 (diameter 65 mm) |

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.



AUSTIN POWDER

Austin Powder Malaysia Sdn. Bhd.

(Registration No.: 197601000224) (26191-A)
(Formerly known as Tenaga Kimia Sdn Bhd)

No. 8, Jalan SS 22/21, Damansara Jaya, 47400 Petaling Jaya, Selangor Darul Ehsan. Tel : 603 - 7729 7464 | Fax : 603 - 7729 8383

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STANDARD PACKAGING

| Diameter (mm) | Length (mm) | Weight (kg) | Quantity Per Case (pcs) | Net Weight Per Case (kg) |
|---------------|-------------|-------------|-------------------------|--------------------------|
| 25 | 200 | 0.120 | 208 | 25 |
| 25 | 400 | 0.241 | 104 | 25 |
| 32 | 200 | 0.193 | 130 | 25 |
| 32 | 400 | 0.380 | 66 | 25 |
| 35 | 400 | 0.455 | 55 | 25 |
| 50 | 200 | 0.500 | 50 | 25 |
| 50 | 400 | 0.965 | 26 | 25 |
| 55 | 170 | 0.500 | 50 | 25 |
| 55 | 200 | 0.521 | 48 | 25 |
| 55 | 350 | 1.000 | 25 | 25 |
| 55 | 400 | 1.250 | 20 | 25 |
| 65 | 400 | 1.565 | 16 | 25 |
| 80 | 400 | 2.500 | 10 | 25 |
| 90 | 400 | 3.130 | 8 | 25 |

STORAGE

- Lower temperature limit 0°C (max. 3 months of storage down to -10°C)
- Upper temperature limit +30 °C

USE

- Lower temperature limit -15°C
- Upper temperature limit +60°C
- Minimum detonator 0.7 g PETN or detonator of comparable strength
- Maximum static overpressure 0.3 MPa (3 bar) for 24 hours
- For underground use
- Not for use in hazardous environments where flammable gases or dust may exist
- Austin accepts no responsibility for any loss or liability arising from use of the product in ground containing pyritic or other reactive material

SHELF LIFE

1 year from the date of manufacture

DISPOSAL

In accordance with local and national legal requirements. In doubt contact your supplier or the manufacturer.

TRANSPORTATION DATA

Shipping Name: EXPLOSIVE, TYPE E

UN Class and Division: 1.1D

UN Number: 0241

Contact your local Austin Powder representative for further information.

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