BULK EXPLOSIVES

# NOBELEX® 1200

## Booster Sensitive Emulsion(Bulk) Explosive

### PROPERTIES

| NOBELEX® | N1200 |
|---|---|
| **Density** (g/cm$^3$) | 1.19 - 1.21 |
| **Energy**[a] (MJ/kg) | 3.05 |
| **Energy**[a] (Cal/g) | 642 |
| **Relative Weight Strength**[b] | 0.77 |
| **Relative Bulk Strength**[a,b] | 1.13 |
| **Gaz Volume**[a] (lt/kg) | 1041 |
| **V.O.D.**[c] (m/s) | 6000 |
| **Detonation Temp.** ($^0$C) | 1789 |
| **Water Resistance** | Excellent |
| **Shelf Life** | 6 Months |

a All Dyno Nobel energy and gas volume values are calculated using proprietary computer software developed exclusively by Dyno Nobel. Results obtained using alternative software, assumptions, or calculation methodologies may differ.

b ANFO = 1.00 @ 0.81 g/cc

c 125 mm plastic cartridge min diameter.

All values may variate by ± 3%

### HAZARDOUS SHIPPING DESCRIPTION

Explosive, Blasting Type E, 1.5D UN0332


### PRODUCT DESCRIPTION

NOBELEX® 1200 is a booster-sensitive emulsion explosive designed for efficient rock breakage in surface and underground blasting applications.
Its high volume of gaseous detonation products generates strong heave and effective energy transfer, resulting in improved fragmentation and increased blasting efficiency.
NOBELEX® is water-resistant and has a density higher than water, allowing it to sink and displace water at the bottom of the borehole. Its soft consistency ensures complete filling of the borehole bottom, improving breakage in the most difficult zone.
In boreholes with limited water, NOBELEX® 1200 enables the use of ANFO as a column charge. The product is not affected by normal temperature variations and is suitable for bulk charging.


### APPLICATION RECOMMENDATIONS

- NOBELEX® 1200 is widely used as a bottom and column charge explosive in a broad range of blasting applications, including wet and dry boreholes.
- Typical applications include metal mining in hard rock formations, limestone and raw material quarries for the cement industry, stone quarries, highway and infrastructure blasting, dam construction, and trench blasting operations.
- The product may also be used as a bottom and column charge in specialized blasting applications. In specific underground applications, such as special well drilling, NOBELEX® 1200 may be used in boreholes with diameters greater than 45 mm.
- To achieve optimum performance, NOBELEX® 1200 shall be initiated with a sufficient quantity of cap-sensitive POWERMITE® booster.
- The recommended means of initiation is a minimum booster charge of 500 g, with a minimum detonation velocity of 5,000 m/s.

ISO 9001 ISO 14001 ISO 45001

CE 1019

**Product Disclaimer:** Please see reverse side.

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### DIMENSIONS

| PACKAGING | N1200 |
|---|---|
| **Product Weight/IBC** kg | 900 - 1000 |
| **IBC Weight** kg | 55 |
| **Water Resistance of IBC's** | Yes |
| **IBC Dimensions** W x L X H - mm | 1200 x 1000 x 1160 |

* All values may variate by ± 3%

### HAZARDOUS SHIPPING DESCRIPTION

Explosive, Blasting Type E, 1.5D UN0332

1.5 D 1

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### TRANSPORTATION, STORAGE AND HANDLING

**Handling**

- Transport the product strictly in accordance with applicable local and national regulations and official authority guidelines.
- Smoking, open flames, sparks, and welding operations are strictly prohibited during handling and transport.
- Do not transport together with flammable materials.

**Storage**

- Store in a cool, dry, and well-ventilated area.
- Storage shall comply with all applicable local and national regulations and authority directives.
- Recommended storage temperature range: –10°C to +40°C.
- Smoking, open flames, sparks, and welding are strictly prohibited in storage areas.
- Do not store together with flammable substances or ignition sources.
- Protect the product from strong mechanical shock.

### SAFETY INSTRUCTIONS

- Explosives may cause serious injury to humans or harm to the environment if not stored, handled, or used properly.
- All explosives must be stored, handled, and used in full compliance with applicable laws, regulations, and safety standards.

**In case of exposure to emulsion explosives:**

- **Ingestion:** Do not induce vomiting. Drink 1–2 glasses of water immediately.
- **Eye contact:** Rinse eyes with clean water for at least 15 minutes. Seek medical attention if irritation persists.
- **Skin or clothing contact:** Carefully remove contaminated clothing and ensure it is thoroughly cleaned before reuse.

**ADDITIONAL INFORMATION** – Visit **nitromak.com** or **dynonobel.com** for Brochures and Case Studies related to this product.



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