



Nobelex[®] Titan UG

Booster Sensitive Explosives



Product Description

Nobelex[®]Titan UG is a booster sensitive emulsion explosive. Due to high volume of gaseous products of detonation, it creates an efficient thrust on rock formation. Soft form of the explosive enables complete filling the hole, where the rock breakage is most difficult, and therefore, resulting in better fragmentation and higher rock yield per blast. It is not affected by temperature changes. Nobelex[®]Titan UG is suitable for bulk charging.

Application Recommendations

Widely used as the main explosive for horizontal column charge at Underground blasting operations with Dynominer[®] Advance Drifter Bulk Charging Equipment.



Properties

Density (g/cm³)	1.04 - 1,12
Energy (MJ/kg)	2,70
Gas Volume (lt/kg)	1042
Detonation Temperature (°C)	1799
V.O.D. (m/s)	5000*
Water Resistance	Excellent
Shelf Life	6 Months
Extreme Temperatures	-10 °C / +40 °C

* 38 mm pvc pipe

** All values may vary by ±%3

Hazardous Shipping Description

U.N. No: 0241 Class 1.1D II
Explosive, Blasting Type E



CE 1019



Firing/Initiation

In order to obtain high performance from Nobelex®Titan UG, the explosive shall be started with sufficient amount of cap sensitive Nobelex®.

Handling

The product must be transported in accordance with local and national regulations or directives / guidelines from authorities. No smoking, fire, sparks or welding. Must not be transported with flammable substances.

Storage

Store in cool, dry, well-ventilated location. Store in compliance with local and national regulations or directives/guidelines from authorities. Recommended storage temperature: from - 10 °C to + 40 °C. No smoking, fire, sparks or welding. Must not be stored with flammable substances and ignition sources. Keep away from strong shock.

Safety Instructions

If not stored, handled or used properly, explosives may cause harm to humans or the environment. All types of explosives shall be stored, handled and used in compliance with laws and regulations.

If emulsion explosives;

- are swallowed; do not try to vomit, drink 1 or 2 glasses of water.
- are smeared on eye; wash eyes with water at least for 15 minutes. If disturbance continues seek medical help.
- are spilled on clothes; carefully remove the clothing; make sure the clothes are cleaned before wearing again.

PACKAGING	
Weight of Product / Bag (kg)	1000
IBC Dimensions (mm)	1200x1000x1160*
IBC Kg	55
Water Resistance of IBC's	yes
<i>Different sizes and options in packaging can also be offered as per customer requests.</i>	
<i>*full bag dimensions</i>	

±%1 weight draft

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