POLESTAR

نجم القطب

Polestar Worldwide General Trading LLC

Granular Urea N46% Min

Urea is the most widely used nitrogen fertilizer globally, and it is effective for all crops in warm climates. It is a synthesized organic molecule that plants can easily absorb through roots and leaves, making it suitable for main applications and top dressing. As the most concentrated granular nitrogen fertilizer, urea supplies nitrogen to agricultural plants throughout their growth and development. It supplies plants with all three forms of open-access nitrogen: amide, ammonium, and nitrate (after transformation in the soil). It is suitable for soils with a pH of 7-9. The following are typical technical properties of Granular urea exported by Polestar Worldwide General Trading LLC.

Properties	Typical
Nitrogen	Min 46.0%
Biuret	Max 1.0%
Moisture	0.3% Max
Formaldehyde	<0.55%
Free Ammonia	100 ppm Max
Ash	20 PPM
pH	7-9
Melting Point	132°C
Free Ammonia	100 ppm Max
Potassium	Max 0.5%
Iron	1.0 PPM
Physical Properties	
Solubility in Water at 20 °C	100 g/100 ml of water
Granulometric Composition	(2.00-4.50 mm) Min 95%
Urea content	98% Min
Appearance	Free flowing, treated with an anti-caking agent, and free of harmful substances and mechanical impurities
Color	Standard white/pure white
Radiation	Certified fully non-radioactive
Bulk Density (kg/m3)	760-800
Odor	Odorless
Melting Point	132°C
Crushing Strength (3015 mm granule)	3.0 kg min
Boiling Point	Decomposes before 132°C

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Advantages

1) Provides highly adequate nitrogen nutrition with a prolonged effect.
2) Has a positive effect on extended root formation.
3) Can be applied in a high dosage in a single application.
4) Increases the protein and oil content of field crops.

Packing

50 kg bags, 1,000 kg jumbo bags, break bulk, or as requested.

Storage

1) Prevent moisture absorption, keep away from heat,
2) Store in a well-ventilated area, away from contact with acids and alkaline substances.
3) Protect from dust and ensure bags are sealed and in good condition.

Comments

Typical chemical and physical properties do not constitute product specifications and are not guaranteed or warranted. These properties are provided for informational purposes only.

PLEASE OBTAIN A PRODUCT SAFETY DATA SHEET FOR MORE INFORMATION.

This product's Safety Data Sheet (SDS) provides essential information about the environmental, health, and safety precautions needed for its handling and storage. You can obtain the most up-to-date version of the SDS by contacting a representative from Polestar Worldwide General Trading LLC.

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