

**TECHNICAL DATA SHEET****UREA N46 AGRICULTURE GRADE – Prill****DESCRIPTION:**

Urea Prill is a form of urea fertilizer that is produced by spraying molten urea into droplets, which then solidify into small, spherical particles. These prills are smaller and more uniform compared to granular urea, making them ideal for certain agricultural and industrial applications.

KEY FEATURES OF UREA PRILL:

- High nitrogen content: Contains around 46% nitrogen, making it an efficient fertilizer for crops
 - Quick solubility: Dissolves faster in water, providing a quicker release of nitrogen to plants.
 - Ease of handling: Its small, spherical shape allows for even distribution in soil.
- Urea Prill is commonly used in agriculture for crops with shorter growth cycles and in industries for producing resins, adhesives, and other chemicals.

SPECIFICATIONS:

Nitrogen	46% by weight minimum
Moisture,	0.5% max by method of drying
Fisher	0.3% Max. Dryer
Biuret	1,0% max. by weight
Anti-Caking Agent	Treated against Anti-Caking
Free ammonia	160 PXT PPM maximum
Granulation	0.85 – 1.85mm not less than 90 %
Melting point	132 degrees centigrade
Solubility in water at 20°C	100g/100 ml of water
PH of 10 % solution	7.5 – 10.0 units
Color	Standard White or Pure White
Critical Relative Humidity (30°C)	73 %
Quality	Free flowing, non-clotted, Free from harmful substances
Physical State	Solid at 20°C, 101 KPA white granules
Specific Gravity	Solid at 20°C, - 1.335 t/m
Physical Presentation	Spherical beads or pellets, white
Apparent density (kg/m³)	770 – 809 kg/m³
Salinity Index	75.4