

# PRODUCT SPECIFICATIONS



## POLYON® NPK Polymer Coated NPK (PCNPK)

**Note:** PC NPK is Association of American Plant Food Control Officials (AAPFCO) Definition (T-32), Official Pub. No. 61, 2008

### LABEL GUARANTEED ANALYSIS - 13.5-13.5-13.5

|  |              |
|--|--------------|
| <b>Total Nitrogen (N)*</b> .....                               | <b>13.5%</b> |
| 6.3% Nitrate Nitrogen  |              |
| 7.2% Ammoniacal Nitrogen                                       |              |
| <b>Available Phosphate (P<sub>2</sub>O<sub>5</sub>)*</b> ..... | <b>13.5%</b> |
| <b>Soluble Potash (K<sub>2</sub>O)*</b> .....                  | <b>13.5%</b> |
| <b>Sulfur (S)*</b> .....                                       | <b>4%</b>    |
| 4% Combined Sulfur (S)   |              |

**Source of Nutrients:** polymer coated homogeneous ammonium nitrate, ammonium phosphate, potassium sulfate

\*The Nitrogen, phosphate and potassium source have been coated to provide 13.5% slowly-available Nitrogen, 13.5% slowly-available phosphate, 13.5% soluble potash and 4% slowly-available sulfur, per AOAC 970.04 (Katz) method.

### PHYSICAL CHARACTERISTICS

|   |                   |
|---|-------------------|
| <b>US Standard Sieve Size</b> .....     | <b>-5+14 mesh</b> |
| <b>Size Guide Number (SGN)</b> .....    | <b>285-300</b>    |
| <b>Uniformity Index (UI)</b> .....      | <b>50</b>         |
| <b>Bulk Density (lbs/cu. ft.)</b> ..... | <b>60</b>         |
| <b>Angle of Repose (degrees)</b> .....  | <b>25-27</b>      |
| <b>Particle Hardness (lbs.)</b> .....   | <b>18-24**</b>    |

\*\*To crush per TFI Method IV (-7+8 mesh granules)

### ABRASION/IMPACT RESISTANCE

The POLYON polymer coating is tough and durable; and, therefore, its release control quality essentially remains unaltered even when subjected to harsh conveying, blending, or application operations. This means label guarantees for these controlled release nutrients can be met consistently when tested by the state fertilizer control chemists.

### PRODUCT LONGEVITY

This product is designed to last 5-6 months at 80°F.

**Please obtain a Material Safety Data Sheet for more information.**



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