



Title POLYON PCNOP  
Regular Size

No. PD-14

Issued March 2, 2005 **Supersedes** Nov. 4, 2004

**Product Names:** POLYON<sup>®</sup> Coated Potassium Nitrate. Polymer Coated Nitrate of Potash, Polymer Coated Potassium Nitrate (PCNOP)

Note: Reactive Layers Coating (RLC<sup>™</sup>) Process (RLC-NOP); PC NOP is Association of American Plant Food Control Officials (AAPFCO) Definition (T-32), Official Pub. No. 58, 2005.

**Label Guaranteed Analysis:** 12-0-40, 12-0-42, 13-0-43

Total Nitrogen (N)..... 12%, 12%, 13%  
12% Nitrate Nitrogen (NO<sub>3</sub> -- N)\*

Soluble Potash (K<sub>2</sub>O)\* .....40%, 42%, 43%

Source of Nutrient: polymer coated potassium nitrate

\*12%, 12%, 13% slowly available nitrate nitrogen and 40%, 42%, 43% soluble potash from polymer coated potassium nitrate as manufactured, per AOAC 970.04 (Katz) method.

**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.

**Moisture Resistance:** During storage POLYON coated potassium nitrate remains dry and free flowing even in hot, humid conditions.

**Screen Analysis (Typical) and Size Guide Number (SGN):**

U.S. Sieve	% Retained Cumulative	% Retained on Each	Regular Size SGN
6	1	1	
7	8	7	220
8	33	25	
10	71	38	
12	91	20	
14	98	7	
<14	100	2	

**Product Longevity:** At 80F the typical longevities are 12-0-40, 9-10 months; 12-0-42, 6-7 months and 13-0-43 3-4 months.

**Bulk Density:** 70-72 lbs per cu. ft.

**Angle of Repose:** 25-27 degrees

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