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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
SCHEDULE 13G
Under the Securities Exchange Act of 1934
(Amendment No. 1)*
Polyone Corporation
(Name of Issuer)
Common Stock
(Title of Class of Securities)
73179P106
(CUSIP Number)
December 31, 2004
(Date of Event Which Requires Filing of this Statement)
Check the appropriate box to designate the rule pursuant to which this Schedule
is Filed:
     [ x ] Rule 13d-1(b)
         ] Rule 13d-1(c)
         ] Rule 13d-1(d)
*The remainder of this cover page shall be filled out for a reporting person's
initial filing on this form with respect to the subject class of securities,
and for any subsequent amendment containing information which would alter the
disclosures provided in a prior cover page.
The information required in the remainder of this cover page shall not be
deemed to be filed for the purpose of Section 18 of the Securities
Exchange Act of 1934 (Act) or otherwise subject to the liabilities of that
section of the Act but shall be subject to all other provisions of the Act
(however, see the Notes).
CUSIP No.
73179P106
1. Names of Reporting Persons.
I.R.S. Identification Nos. of above persons (entities only) Strong Capital Management, Inc. 39-1213042
2. Check the Appropriate Box if a Member of a Group (See Instructions)
(a)
(b)
3. SEC Use Only
4. Citizenship or Place of Organization
United States
Number of Shares Beneficially Owned by Each Reporting Person With:
Sole Voting Power
4,129,437
Shared Voting Power
7. Sole Dispositive Power
4, 129, 437
8. Shared Dispositive Power
9. Aggregate Amount Beneficially Owned by Each Reporting Person
4,129,437
10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See
Instructions) N/A
11. Percent of Class Represented by Amount in Row (9)
4.5%
12. Type of Reporting Person (See Instructions)
Ttem 1.
(a) Name of Issuer
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Polyone Corporation (b) Address of Issuer's Principal Executive Offices 33587 Walker Road Avon Lake, OH 44012 Item 2. (a) Name of Person Filing Strong Capital Management, Inc. (b) Address of Principal Business Office Strong Capital Management, Inc. 100 Heritage Reserve Menomonee Falls, WI 53051 (c) Citizenship United States (d) Title of Class of Securities Common Stock (e) CUSIP Number 73179P106 Item 3. If this statement is filed pursuant to ss.ss.240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a: (a) [ ] Broker or dealer registered under section 15 of the Act (15 U.S.C. 780). (b) [ ] Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c). (c) [ ] Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c) (d) [ ] Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8). (e) [x] An investment adviser in accordance with ss.240.13d-1(b)(1)(ii)(E). (f) [ ] An employee benefit plan or endowment fund in accordance with ss.240.13d-1(b)(1)(ii)(F). (g) [ ] A parent holding company or control person in accordance with ss.240.13d-1(b)(1)(ii)(G).(h) [ ] A savings associations as defined in section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813). (i) [ ] A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3). (j) [ ] Group, in accordance with ss.240.13d-1(b)(1)(ii)(J). Item 4. Ownership. Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1. (a) Amount beneficially owned: 4, 129, 437 (b) Percent of class: 4.5% (c) Number of shares as to which the person has: (i) Sole power to vote or to direct the vote 4, 129, 437 (ii) Shared power to vote or to direct the vote (iii) Sole power to dispose or to direct the disposition of 4,129,437 (iv) Shared power to dispose or to direct the disposition of Item 5. Ownership of Five Percent or Less of a Class If this statement is being filed to report the fact that as of the date hereof

the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following  $[ \ x \ ]$ .

Item 6. Ownership of More than Five Percent on Behalf of Another Person. Strong Capital Management, Inc. is a registered investment advisor whose clients have the right to receive or the power to direct the receipt of dividends and the proceeds from the sale of the securities reported on this Schedule. No individual client's holdings represent more than five percent of the class of securities.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company Not Applicable

Item 9. Notice of Dissolution of Group Not Applicable

Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

## **SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 11, 2005

Strong Capital Management, Inc.

By: /s/ John W. Widmer John W. Widmer, Treasurer