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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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**SCHEDULE 13G**

**Under the Securities Exchange Act of 1934  
(Amendment No. )\***

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**Regal Beloit Corporation**

(Name of Issuer)

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**Common Stock, \$.01 par value per share**  
(Title of Class of Securities)

**758750103**  
(CUSIP Number)

**August 22, 2010**  
(Date of Event which Requires Filing of this Statement)

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Check the appropriate box to designate the rule pursuant to which this Schedule is filed.

- 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 disclosures provided in a prior cover page.

The information required on 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).

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(1)	Names of Reporting Persons. <b>A. O. Smith Corporation</b>	
(2)	Check the Appropriate Box if a Member of a Group (See Instructions) (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
(3)	SEC Use Only	
(4)	Citizenship or Place of Organization <b>Delaware</b>	
Number of Shares Beneficially Owned by Each Reporting Person With	(5)	Sole Voting Power <b>2,834,026</b>
	(6)	Shared Voting Power <b>0</b>
	(7)	Sole Dispositive Power <b>2,834,026</b>
	(8)	Shared Dispositive Power <b>0</b>
(9)	Aggregate Amount Beneficially Owned by Each Reporting Person <b>2,834,026</b>	
(10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) <input type="checkbox"/>	
(11)	Percent of Class Represented by Amount in Row (9) <b>6.83%*</b>	
(12)	Type of Reporting Person (See Instructions) <b>CO</b>	

\* Calculation based on 38,684,888 shares of common stock outstanding as of July 29, 2011, as reported in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on August 11, 2011, plus 2,834,026 shares of common stock issued to the Reporting Person on August 22, 2011.

**Item 1 (a). Name Of Issuer:**

Regal Beloit Corporation

**Item 1 (b). Address of Issuer's Principal Executive Offices:**

200 State Street  
Beloit, Wisconsin 53511

**Item 2 (a). Name of Person Filing:**

A. O. Smith Corporation

**Item 2 (b). Address of Principal Business Office or, if none, Residence:**

11270 West Park Place  
Milwaukee, Wisconsin 53224

**Item 2 (c). Citizenship:**

Delaware

**Item 2 (d). Title of Class of Securities:**

Common Stock, \$.01 par value per share

**Item 2 (e). CUSIP Number:**

758750103

**Item 3 If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:**

Not Applicable.

**Item 4. Ownership**

- (a) Amount beneficially owned:  
2,834,026
- (b) Percent of class:  
6.83%
- (c) Number of shares as to which the person has:
  - (i) Sole power to vote or to direct the vote:  
2,834,026
  - (ii) Shared power to vote or to direct the vote:  
0
  - (iii) Sole power to dispose or to direct the disposition of:  
2,834,026
  - (iv) Shared power to dispose or to direct the disposition of:  
0

**Item 5. Ownership of Five Percent or Less of a Class.**

Not Applicable

**Item 6. Ownership of More than Five Percent on Behalf of Another Person.**

Not Applicable

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.**

Not applicable.

**Item 8. Identification and Classification of Members of the Group.**

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 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: August 26, 2011

A. O. SMITH CORPORATION

By: /s/ James F. Stern

Name: James F. Stern

Title: Executive Vice President, General Counsel and  
Secretary