

Duffy Stephen W.  
Form 4  
August 10, 2010

**FORM 4**

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

OMB APPROVAL

OMB Number: 3235-0287  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Duffy Stephen W.

2. Issuer Name and Ticker or Trading Symbol  
Kraton Performance Polymers, Inc.  
[KRA]

5. Relationship of Reporting Person(s) to Issuer  
  
(Check all applicable)

(Last) (First) (Middle)  
C/O KRATON PERFORMANCE POLYMERS, 15710 JOHN F. KENNEDY BLVD, SUITE 300  
  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
08/09/2010

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
General Counsel, VP & Sec

HOUSTON, TX 77032  
  
(City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
\_\_\_\_ Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Ownership (Instr. 4)	
				Code	V	Amount	(A) or (D)	Price
Common Stock	08/09/2010		M		49,338	A		\$ 27.0192
								(1)
Common Stock	08/09/2010		S		49,338	D		\$ 27.0192
								0
								(1)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

displays a currently valid OMB control number.

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares
Employee Options (Right to Buy)	\$ 13.512	08/09/2010		M	49,338	(2) 06/19/2018	Common Stock	49,338

## Reporting Owners

### Reporting Owner Name / Address

### Relationships

Director    10% Owner    Officer    Other

Duffy Stephen W.  
C/O KRATON PERFORMANCE POLYMERS  
15710 JOHN F. KENNEDY BLVD, SUITE 300  
HOUSTON, TX 77032

General Counsel, VP & Sec

## Signatures

/s/ Stephen W. Duffy                      08/10/2010

\_\_Signature of Reporting Person                      Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 4(b)(v).
  - \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- The price in column 4 is a weighted average. The prices actually received ranged from \$26.775 to \$27.27. For all transactions reported in
- (1) this Form 4 utilizing a weighted average price, the reporting person undertakes to provide upon request by the SEC staff, the issuer, or a security holder of the issuer, full information regarding the number of shares sold at each separate price within the range.
  - (2) 24,670 of the options reported herein will vest on June 19, 2011, subject to Stephen W. Duffy being employed by the company or its affiliates or subsidiaries on the vesting date.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.