

Gildan Activewear Inc.  
Form 6-K  
December 29, 2010

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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, DC 20549  
Form 6-K  
Report of Foreign Private Issuer  
Pursuant to Rule 13a-16 or 15d-16 of  
the Securities Exchange Act of 1934  
For the month of: December 2010 Commission File Number: 1-14830  
GILDAN ACTIVEWEAR INC.  
*(Translation of Registrant's name into English)*  
600 de Maisonneuve Boulevard West  
33rd Floor  
Montréal, Québec  
Canada H3A 3J2  
*(Address of Principal Executive Offices)***

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F:

Form 20-F

Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Indicate by check mark whether by furnishing the information contained in this Form, the registrant is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934:

Yes

No

If  Yes is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): N/A

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SIGNATURES

EXHIBIT INDEX

ex-99.1

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

**GILDAN ACTIVEWEAR INC.**

Date: December 29, 2010

By: /s/ Lindsay Matthews  
Name: Lindsay Matthews  
Title: Director, Legal Services and  
Corporate Secretary

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**EXHIBIT INDEX**

<b>Exhibit</b>	<b>Description of Exhibit</b>
99.1	Management Information Circular