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**IMPROVED HIGH SPEED EMBOSSING AND  
ADHESIVE PRINTING PROCESS**



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**ABSTRACT**

The present invention provides a process comprising the steps of (a) applying less than about 0.1 grams per square meter (gsm) of a release agent to a transfer surface, wherein the release agent is selected such that a test sample of the release agent having a concentration at or above its critical surface tension concentration, has a surface tension of less than about 50 dyne/cm or forms a contact angle with the material of the transfer surface of less than about 120° (b) applying an adhesive to the transfer surface; and (c) transferring the adhesive from the transfer surface to a material web. Preferred embodiments are provided where the transfer surface is metals, polymers, elastomers, ceramics, wood, or combinations thereof and the release agent has the formula :  $X-CF_2O-(C_2F_4O)_p-(CF_2O)_q-CF_2-X$ . Additional embodiments are provided to continuous and intermittent processes.

Fig. 1