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(54) **ONE-PART POLYURETHANE ADHESIVE COMPOSITION, METHOD OF MAKING A LAMINATE, AND LAMINATE**

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(58) **Field of Classification Search**

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USPC 524/589; 525/453
See application file for complete search history.

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(57) **ABSTRACT**

Disclosed is a one-part, atmospheric curing, polyurethane adhesive composition that includes a polyurethane prepolymer that includes a reaction product of a polyol component and an isocyanate component, the polyol component comprising an unsaturated fatty acid esterified polyol comprising a reaction product of a first polyol and at least one of an ethylenically unsaturated oil and an ethylenically unsaturated fatty acid, the first polyol comprising at least three hydroxyl groups, and a % NCO of from at least 4% by weight to no greater than 7% by weight based on the weight of the prepolymer, the adhesive composition exhibiting a viscosity of no greater than 15,000 centipoise at 60° C., and a T-peel value of greater than 40 grams per 25 millimeter in no greater than 4 hours, a method of making a laminate, and a laminate that includes a one-part, atmospheric curing, polyurethane adhesive composition.

22 Claims, No Drawings