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United States Patent [19]
Helmeke

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[54] **HIGH MOISTURE VAPOR TRANSMISSION
HOT MELT MOISTURE CURE
POLYURETHANE ADHESIVE WITH
EXCELLENT HYDROLYSIS RESISTANCE**

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428/336; 428/423.1; 528/59; 528/76; 528/80;
528/905

[58] **Field of Search** **528/83, 59, 76,**
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[57] **ABSTRACT**

This invention relates to a hot melt moisture cure polyurethane composition which is the reaction product of a polyether polyol formed from a compound selected from the group consisting of ethylene oxide, propylene oxide, 1,2-butylene oxide, 1,4-butylene oxide and mixtures thereof; a low molecular weight polyalkylene glycol having from 3 to 7 carbon atoms; a crystalline polyester polyol having a melting point from about 40° C. to about 120° C.; and at least one polyfunctional isocyanate component wherein said composition has a moisture vapor transmission rate of greater than about 100 g/m²/day film thickness of from about 450 to about 500 g/m², and hydrolysis resistance.

23 Claims, No Drawings