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(54) Title: RAPIDLY ACTING DRY SEALANT AND METHODS FOR USE AND MANUFACTURE

E.G., PEG
 $[\text{HO}-(\text{CH}_2-\text{CH}_2-\text{O})_n-\text{H}]$

POLYMER - X_m

NUCLEOPHILIC GROUPS

(57) Abstract: Compositions, methods, and kits are provided for sealing applications. Compositions are prepared by combining a first cross-linkable component with a second cross linkable component to form a porous matrix having interstices, and combining the porous matrix with a hydrogel-forming component to fill at least some of the interstices. The compositions exhibit minimal swelling properties.

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