

## Effect of reaction temperature on the peel strength behavior of acrylic copolymer adhesives

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The acrylic copolymers, which were used as base polymer for pressure sensitive adhesives (PSAs), were synthesized by solution polymerization of 2-ethylhexyl acrylate, ethyl acrylate, and acrylic acid with AIBN as an initiator. The acrylic copolymers were prepared at several different reaction temperatures (60, 70, and 80°C). These acrylic copolymers were investigated in terms of viscosity, molecular weight, and peel strength. The viscosity and molecular weight of acrylic copolymers increased as the reaction temperature decreased. On the other hand, peel strengths decreased as the reaction temperature decreased.