

A PROCESS FOR MAKING A POLY(ALKYL (METH)ACRYLATE) RUBBER LATEX, A POLY(METH)ACRYLATE RUBBER-BASED GRAFT COPOLYMER MADE THEREFROM AND A MOLDING COMPOSITION CONTAINING THE POLY(METH)ACRYLATE RUBBER-BASED GRAFT COPOLYMER

Abstract of the Disclosure

A process for making a poly(alkyl (meth)acrylate) rubber latex includes polymerizing, in a continuous emulsion polymerization process, an alkyl (meth)acrylate monomer in an aqueous medium in the presence of a surfactant according to the formula $R-SO_3M$, wherein R is alkyl or alkoxyl and M is H or a cation provides improved control of rubber particle size. A graft copolymer based on the poly(alkyl (meth)acrylate) rubber made by the process provides improved weatherability when used as an impact modifier in thermoplastic resin molding compositions.

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FIGURE 1