

ABSTRACT

LOW MOLECULAR WEIGHT BROMINATED POLYMERS AND THEIR USE IN THERMOPLASTIC FORMULATIONS

This invention relates flame retardant compositions containing low molecular weight brominated anionic, chain transfer, vinyl aromatic polymers, hereinafter 'ACTVAP'. The compositions can accommodate high bromine content while still exhibiting a low thermally labile bromine content. The compositions have glass transition temperatures, T_g , that are predictive of acceptable melt flows and heat distortion temperatures (HDT) in HIPS and ABS based formulations substrates. The compositions, are suitable flame retardant candidates for use in thermoplastic formulations, e.g. polystyrene and ABS formulations.