

PRODUCTION AND USE OF HIGH MOLECULAR
WEIGHT ALIPHATIC POLYCARBONATES

ABSTRACT OF THE DISCLOSURE

A process for the production of high molecular weight aliphatic polycarbonates is disclosed. The process entails a first stage wherein a low molecular weight aliphatic polycarbonate is prepared and a second stage where the low molecular weight aliphatic polycarbonate is condensed with diaryl carbonate in a melt transesterification process to form a high molecular weight aliphatic polycarbonate. The resulting high molecular weight aliphatic polycarbonate is suitable for the production of extrudates, films and molded articles.



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