

DEFENSIVE PUBLICATION

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T915,001

FORMING POLYETHYLENE TEREPHTHALATE

David Harris Berkebile and Kenneth Leith Knox, Circleville, Ohio, assignors to E. I. du Pont de Nemours and Company, Wilmington, Del.

Continuation of abandoned application Ser. No. 81,312, Oct. 16, 1970. This application July 10, 1972, Ser. No. 269,948

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1 Sheet Drawing. 8 Pages Specification

A process for forming a sheet of polyethylene terephthalate into a mold configuration, the process comprising

- (a) heating a sheet of polyethylene terephthalate having an intrinsic viscosity of about from 0.50 to 0.59 and a degree of crystallization of about from 0 to 25% to a temperature of about from 75° to 180° C.;
- (b) forcing the heated sheet onto a mold surface; and
- (c) heat setting the shaped sheet at a temperature of about from 125° to 220° C. and for a period of time sufficient to increase the degree of crystallization of the formed article to about from 25 to 60%.

Particularly useful articles that can be formed by the process include trays having a bottom panel, side walls connected to the bottom panel and a continuous outwardly extending flange connected to the upper edges of the side walls; these trays can be used for food containers, which are heatable in either conventional or microwave ovens and are strong and dimensionally stable at temperatures up to about 460° F. Adhesive can be applied to the upper surfaces of the flange to permit the application of a cover film to the tray.

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D. H. BERKEBILE ET AL

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FIG. 1

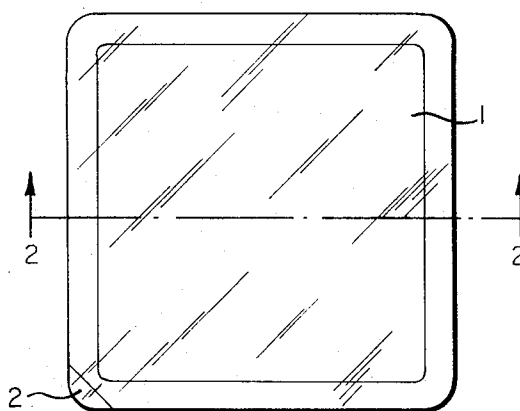
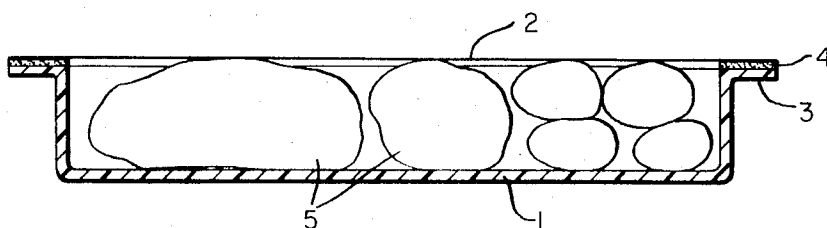


FIG. 2



INVENTORS

DAVID H. BERKEBILE

KENNETH L. KNOX

BY

Wendell Bentley

ATTORNEY