



US 20090110855A1

(19) **United States**

(12) **Patent Application Publication**
McCarthy et al.

(10) **Pub. No.: US 2009/0110855 A1**

(43) **Pub. Date: Apr. 30, 2009**

(54) **FILLED POLYSTYRENE COMPOSITIONS AND USES THEREOF**

Publication Classification

(75) Inventors: **Donald C. McCarthy**, Appleton, WI (US); **William Pucci**, Winneconne, WI (US); **Anthony J. Swiontek**, Neenah, WI (US)

(51) **Int. Cl.**
B32B 27/08 (2006.01)
B29C 47/04 (2006.01)
B32B 9/00 (2006.01)
(52) **U.S. Cl.** **428/35.7; 264/211.24; 428/339**

Correspondence Address:
PATENT GROUP GA030-43
GEORGIA-PACIFIC LLC
133 PEACHTREE STREET, N.E.
ATLANTA, GA 30303-1847 (US)

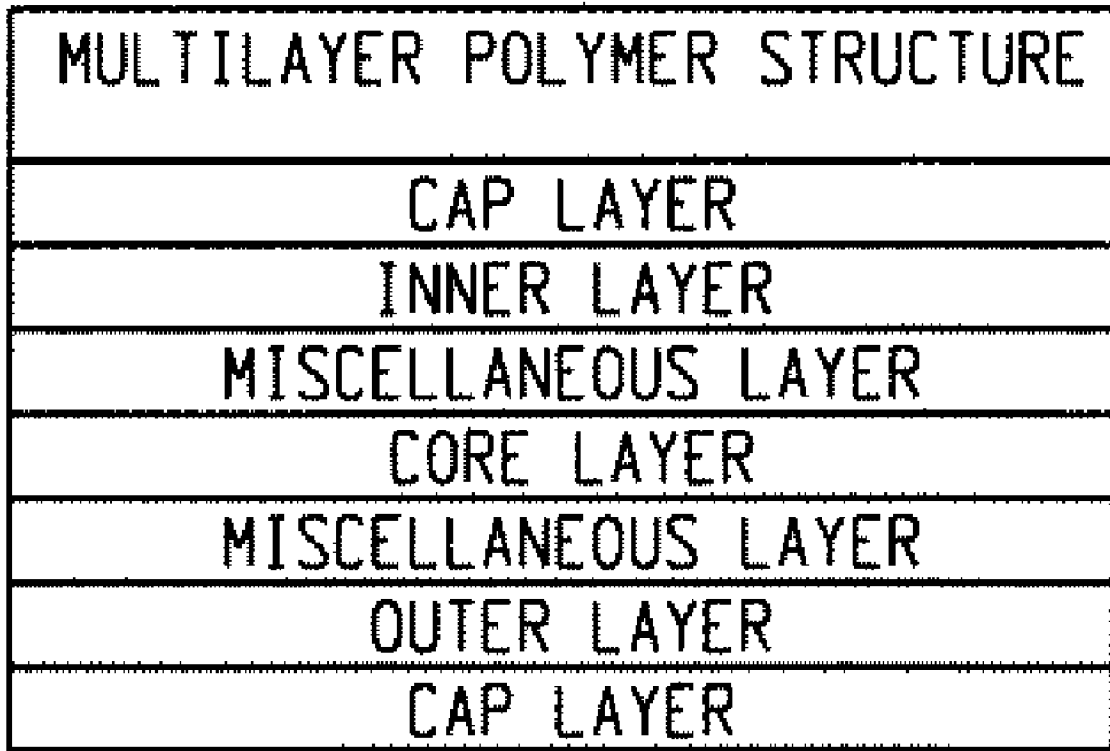
(57) **ABSTRACT**

The present invention provides polymer formulations containing 20 to about 40 weight percent of a filler, such as calcium carbonate. Multilayer polymer structures containing a filler in at least one layer of the multilayer structure, and methods of making these multilayer structures, are also disclosed. Articles of manufacture, such as food service articles, including cups, lids, plates, trays, containers, cutlery, and the like, derived from these formulations and multilayer structures are also provided in the present invention.

(73) Assignee: **Dixie Consumer Products LLC**, Atlanta, GA (US)

(21) Appl. No.: **11/928,280**

(22) Filed: **Oct. 30, 2007**



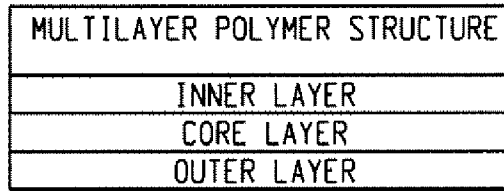


Fig. 1

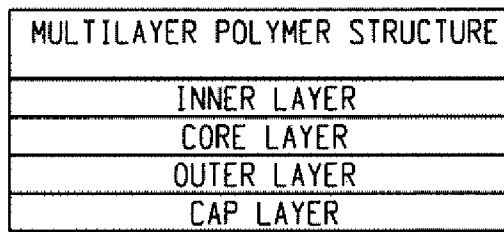


Fig. 2

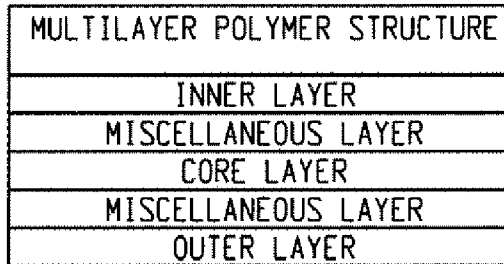


Fig. 3

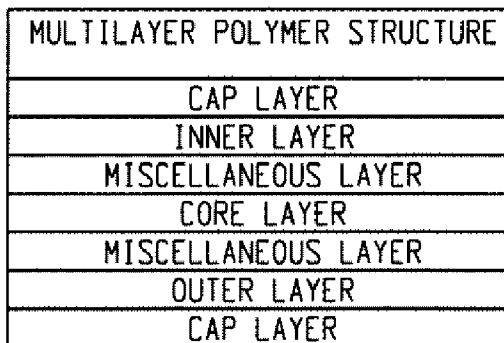


Fig. 4

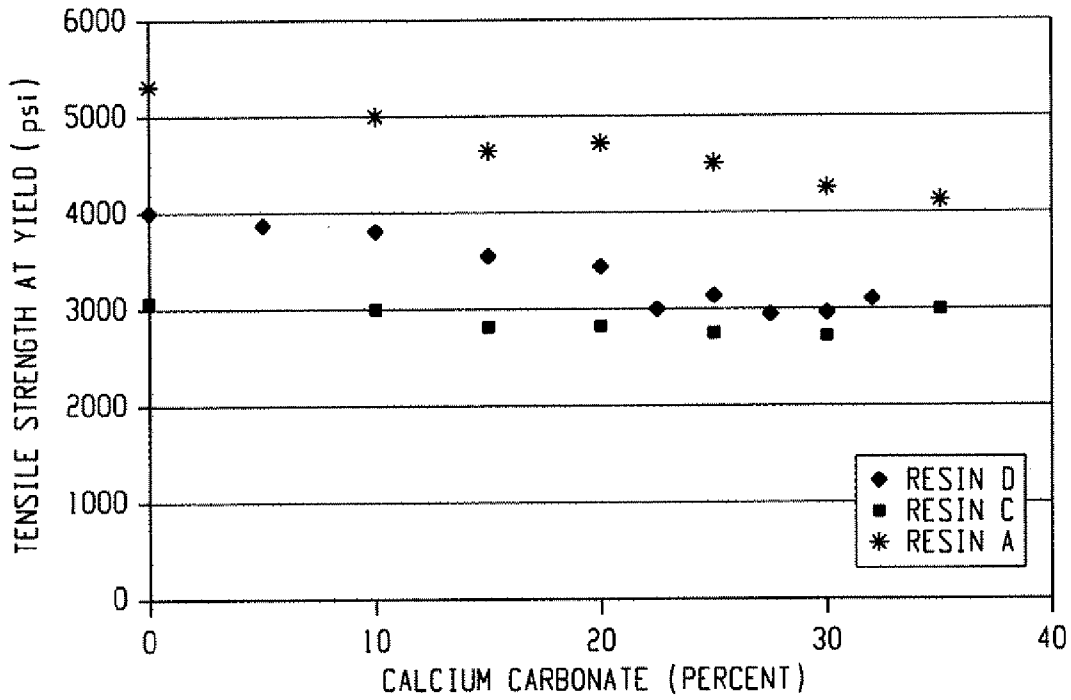


Fig. 5

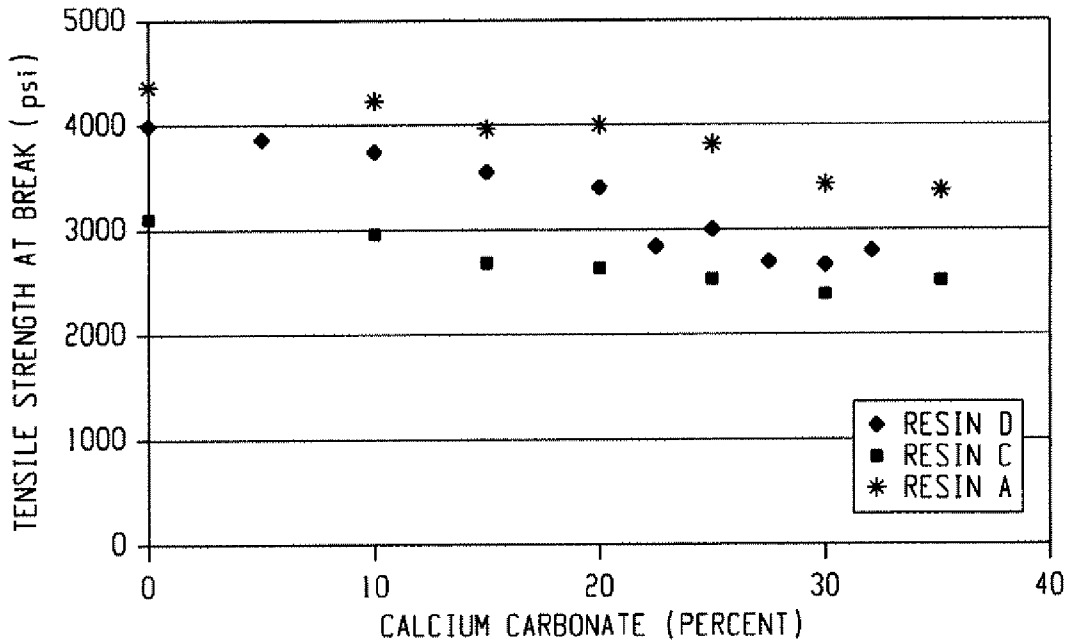


Fig. 6

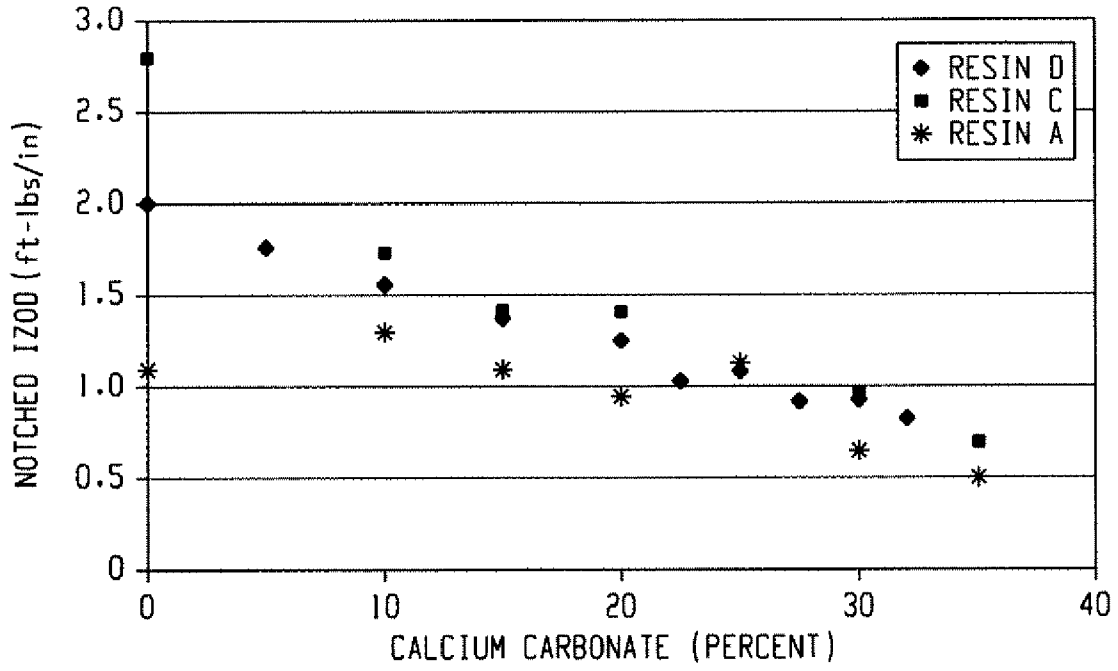


Fig. 7

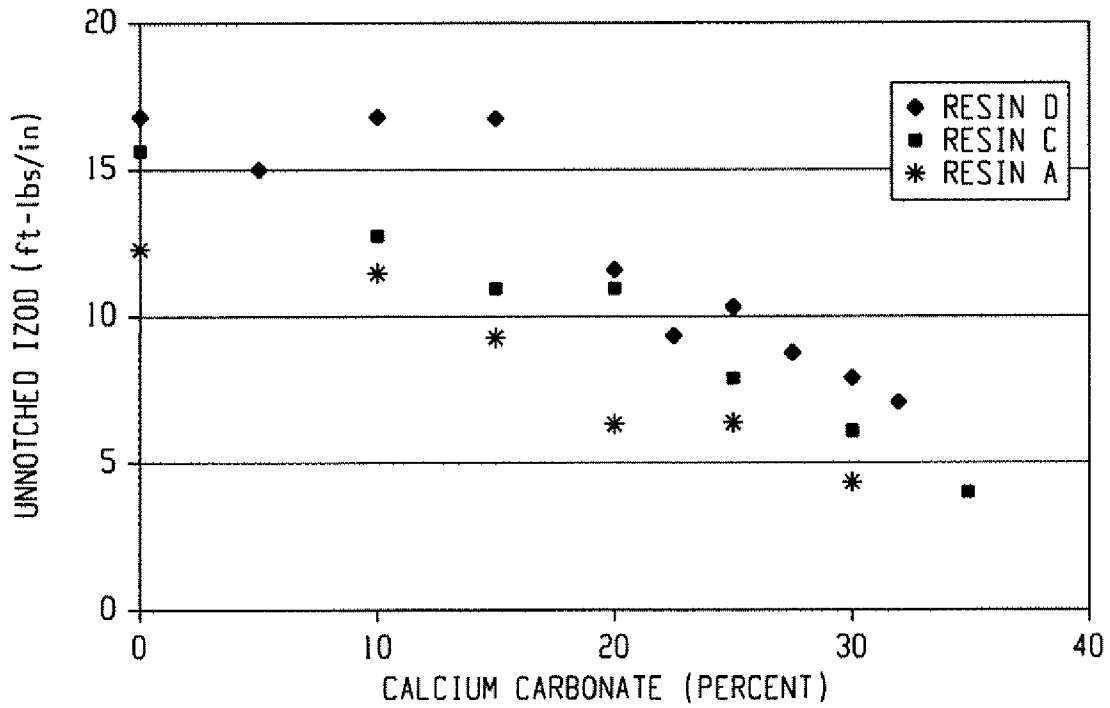


Fig. 8

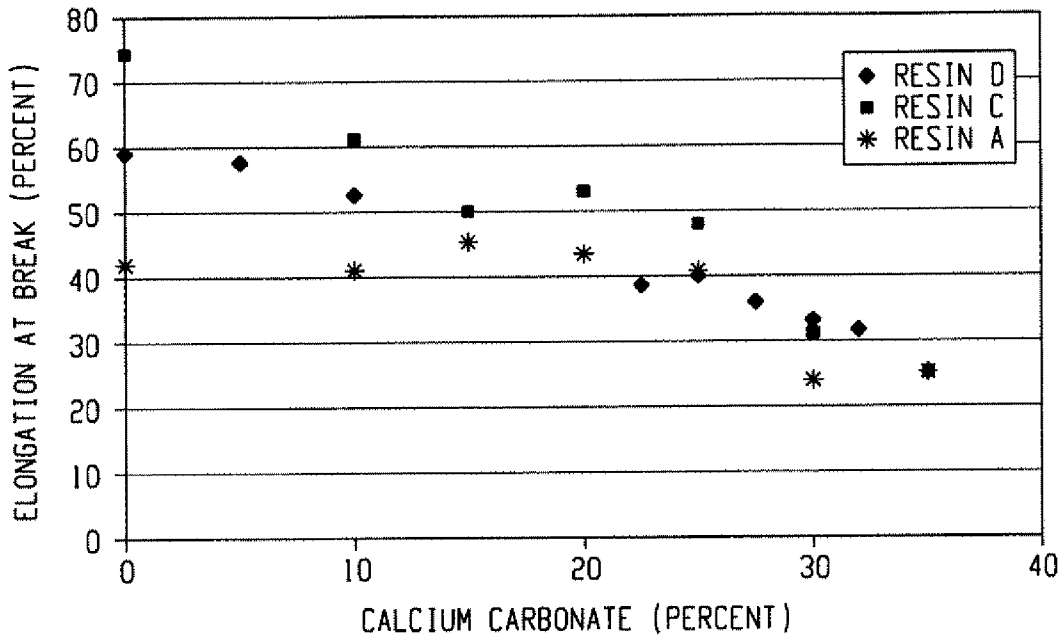


Fig. 9

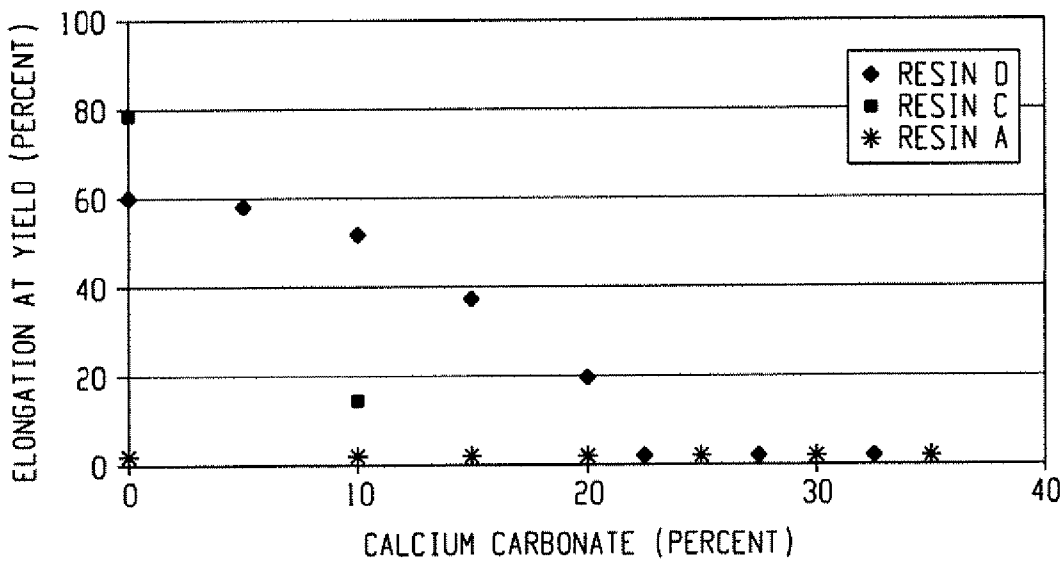


Fig. 10

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.