



Parts competition singles out innovations

Angie DeRosa

NASHVILLE, TENN. --

October 02, 2006

The Society of Plastics Engineers' Thermoforming Division gave out 19 awards at its annual parts competition, from among 43 entries for products that represent new achievements in thermoforming applications.

For the first time, the division added a category for a college award.

* Amros Industries Inc. of Cleveland won the industrial packaging category for its car door shield.

The water and sound-deadening shield used during car door assembly is formed from nonwoven PE and PE foam. The part is molded on a water-cooled aluminum tool with a temperature-controlled aluminum plug assist. Two layers of material have to be preheated to different temperatures and then formed simultaneously, maintaining different profiles of top and bottom layers and permanently bonding them together.