

FIRE ENDURANCE RATED PLASTIC ARTICLES
FOR USE IN FIRE RATED ASSEMBLIES

ABSTRACT OF THE INVENTION

A plastic article such as a thermoplastic extruded door frame or laminated composite floor for railroad cars having at least one internal cavity wherein the cavity is filled with an intumescent.

5 When exposed to fire, such an article retards or inhibits the break-through of fire into an adjoining compartment or room for a sufficient time to allow occupants thereof to evacuate the adjoining compartment or to extinguish the fire. The article

10 has at least one internal cavity filled with an intumescent and meets the requirements of ASTM E 152. The plastics employed herein may be either thermoplastic or thermoset.

FIGURE 1