

Title (en)

A PROCESS FOR PREPARING POLYURETHANE FOAM IN THE PRESENCE OF A HYDROCARBON BLOWING AGENT

Title (de)

VERFAHREN ZUR HERSTELLUNG VON POLYURETHANSCHAUMSTOFF IN ANWESENHEIT VON KOHLENWASSERSTOFFTREIBMITTEL

Title (fr)

PROCEDE DE PREPARATION DE MOUSSE DE POLYURETHANE EN PRESENCE D'UN HYDROCARBURE SERVANT D'AGENT GONFLANT

Publication

EP 0787165 A2 19970806 (EN)

Application

EP 95936350 A 19951019

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Abstract (en)

[origin: WO9612759A2] Disclosed is a process for preparing a rigid, hydrocarbon-blown, polyurethane foam by reacting a polyisocyanate with a polyurethane precursor composition comprising a polyol and a compatibilizing agent containing a compatibilizing radical of the formula: $-(C_nH_{2n+1})$ wherein n is a number greater than or equal to 5, and wherein the compatibilizing agent contains at least one active hydrogen atom, provided that there is no more than one aromatic group per molecule, and further wherein the compatibilizing agent is a fat, oil, monoglyceride, diglyceride, fatty acid, fatty alcohol, fatty amide, fatty amine, fatty acid ester, alkoxyated adduct of any of the foregoing, alkyl phenol or propoxylated adduct thereof, alkyl phenol or adduct thereof with ethylene oxide and propylene oxide, alkyl phenol or adduct thereof with less than an average of four molecules of ethylene oxide per molecule of alkyl phenol or a mixture thereof. A preferred compatibilizing agent is castor oil. The compatibilizing agent enhances the miscibility of the hydrocarbon blowing agent. Advantageously, the polyurethane precursor compositions exhibit improved storage stability.

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