

Title (en)

POLYURETHANE-ISOCYANURATE CASTING SYSTEMS WITH HIGH HEAT DEFLECTION TEMPERATURES

Title (de)

HOHE HITZEVERFORMUNGSTEMPERATUREN AUFWEISENDE POLYURETHAN-ISOCYANURAT-GUSS-SYSTEME

Title (fr)

SYSTEMES DE COULAGE DE POLYURETHANNE-ISOCYANURATE PRESENTANT UNE STABILITE DIMENSIONNELLE A DES TEMPERATURES ELEVEES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9808886A1] The present invention relates to a polyurethane-isocyanurate casting system including an isocyanate component or isocyanate terminated prepolymer and a hardener. The hardener includes a polyol component, at least one trimerization catalyst, and, optionally, a poly(oxyalkylene) polyamine. The isocyanate component and hardener are blended at a volumetric ratio of between 2.5:1 and 1:1. The blend of component a and component b has an isocyanate index of from about 1.5 to about 4.0. The present invention further relates to a process employing the casting system and articles resulting from the casting system having a high heat deflection temperature.

IPC 1-7

C08G 18/79; **C08G 18/10**

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CPC (source: EP KR)

C08G 18/092 (2013.01 - EP); **C08G 18/10** (2013.01 - EP); **C08G 18/79** (2013.01 - KR)

Citation (search report)

See references of WO 9808886A1

Cited by

WO2004111101A1; US8785570B2; US9987776B2; EP2151458A1; DE102008036995A1

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