

Title (en)

CROSSLINKED POLYOLEFIN FOAM HAVING LARGE CORE CELLS

Title (de)

QUERVERNETZTER POLYOLEFINSCHAUM, DER GROSSE KERNZELLEN AUFWEIST

Title (fr)

MOUSSE DE POLYOLÉFINE RÉTICULÉE AYANT DE GRANDES CELLULES DE COEUR

Publication

**EP 4065363 A4 20231227 (EN)**

Application

**EP 20892318 A 20201125**

Priority

- US 201916699062 A 20191128
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- US 2020062298 W 20201125

Abstract (en)

[origin: WO2021108615A1] A process for producing split crosslinked polyolefin sheets comprises producing a crosslinked polyolefin foam sheet having an opposing first surface region and second surface region, and an intermediate region disposed therebetween, wherein the intermediate region is configured to have a gel content lower than an average gel content of the first surface region and the second surface region, and an average cell size larger than an average cell size of the first surface region and the second surface region; and applying a splitting force to the crosslinked foam sheet such that a controlled tear propagation travels through the intermediate region until a first side of the crosslinked polyolefin foam sheet and a second side of the crosslinked polyolefin foam sheet are separated to produce two split polyolefin foam sheets. The split crosslinked polyolefin foam sheets may comprise a skin side comprising a closed cell surface, and a split side comprising an open cell surface having peak heights of about 150 pm to about 550 pm.

IPC 8 full level

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CPC (source: EP)

**B29C 44/5654** (2013.01); **C08J 9/34** (2013.01); **C08J 9/36** (2013.01); **C08J 2201/026** (2013.01); **C08J 2205/05** (2013.01); **C08J 2205/052** (2013.01); **C08J 2323/06** (2013.01); **C08J 2323/08** (2013.01); **C08J 2323/12** (2013.01); **C08J 2331/04** (2013.01)

Citation (search report)

- [X] JP 2004204154 A 20040722 - SEKISUI CHEMICAL CO LTD
- [A] EP 3225374 A1 20171004 - TORAY PLASTICS (AMERICA) INC [US]
- See references of WO 2021108608A1

Designated contracting state (EPC)

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DOCDB simple family (application)

**US 2020062306 W 20201125**; AU 2020394440 A 20201125; CN 202080081508 A 20201125; EP 20892318 A 20201125; JP 2022530752 A 20201125; US 2020062298 W 20201125