Title (en)

EXTRUDED FOAM

Title (de)

EXTRUSIONSSCHAUMSTOFF

Title (fr)

MOUSSE EXTRUDÉE

Publication

EP 2475710 A1 20120718 (DE)

Application

EP 10752335 A 20100906

Priority

- EP 09169565 A 20090907
- EP 2010063045 W 20100906
- EP 10752335 A 20100906

Abstract (en)

[origin: WO2011026978A1] The invention relates to a closed-cell extruded foam that can be produced by (a) heating a polymer constituent P formed from at least one alpha- methylstyrene-acrylonitrile copolymer (AMSAN), optionally at least one styrene- acrylonitrile copolymer (SAN), and optionally at least one thermoplastic polymer from the group consisting of styrene polymers and copolymers, polyacrylates, polycarbonates, polyesters, polyamides, polyether sulfones, polyether ketones and polyether sulfides, for forming a polymer melt, (b) introducing between 1 and 12 wt. % (in relation to P) of a foaming constituent T containing b1) between 15 and 95 wt. % (in relation to T) of carbon dioxide and b2) between 5 and 85 wt. % (in relation to T) of at least one co-foaming agent selected from the group consisting of C1-C4 alcohols and C1-C4 carbonyl compounds, into the polymer melts in order to form an expandable melt, (c) extruding the expandable melt in a region of lower pressure while expanding to form the extruded foam, and (d) optionally adding additives to the polymer constituent P in at least one of the steps a), b) and/or c). The foam obtained in this way is suitable as an insulating material and a structural foam.

IPC 8 full level

C08J 9/12 (2006.01)

CPC (source: EP)

C08J 9/0061 (2013.01); **C08J 9/127** (2013.01); C08J 2201/03 (2013.01); C08J 2203/06 (2013.01); C08J 2203/12 (2013.01); C08J 2205/052 (2013.01); C08J 2325/12 (2013.01); C08J 2325/16 (2013.01); C08J 2425/00 (2013.01)

Citation (search report)

See references of WO 2011026978A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2011026978 A1 20110310; EP 2475710 A1 20120718

DOCDB simple family (application)

EP 2010063045 W 20100906; EP 10752335 A 20100906