

Welcome to EPOQUE Rebuild under the Production Environment

[EPODOC: SS 34] laminate and multilayer and copolymer and adhesive and core

Results in EPODOC 7

[SS 35] multilayer and copolymer and adhesive and core

Results in EPODOC 96

[SS 36] 35 and print+

Results in EPODOC 1

[SS 37] 34 and (polyethylene or urethane or acrylic or ethylene)

Results in EPODOC 7

[SS 38] ..li



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PN - [RU2010125313](#) A 20120320
 PNFP - RU2474406 C2 20130210
 PR - US20080023107P
 20080124; WO2009US31822
 20090123
 AP - RU20100125313 20090123
 DT - I
 CT - || STSE (C2)
[US2002193776](#) A1 20021219 [
] (FERNFORS INGEMAR [SE]);
[FR2586558](#) A1 19870306 [
] (BEGHIN SAY SA [FR]);
[US2002052584](#) A1 20020502 [
] (FORGAR MONICA [SE]);
[WO2007146148](#) A2 20071221 [
] (PROCTER & GAMBLE [US], et al)

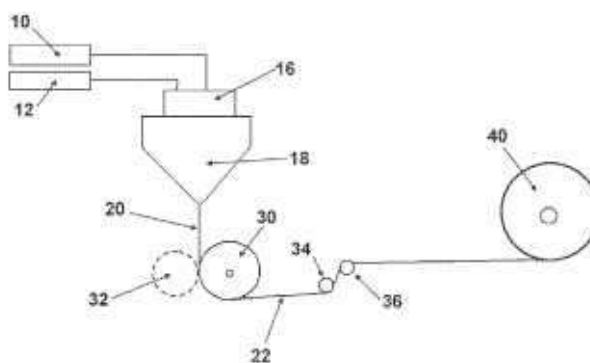


FIG. 1

CCI	- A61F13/4902 ; A61F13/15593 ; B32B25/08 ; B32B25/10 ; B32B25/16 ; B32B27/12 ; B32B27/30 ; B32B27/32 ; C08L23/0815 ; C08L23/142 ; C08L23/16 ; C08L53/00 ; C08L53/02 ; C08L53/025
CLC	- C08L23/0815 , C08L2666/06 , INV - C08L23/142 , C08L2666/06 , INV - C08L23/16 , C08L23/00 , INV - C08L53/00 , C08L2666/02 , INV - C08L53/00 , C08L2666/04 , INV - C08L53/02 , C08L2666/04 , INV - C08L53/02 , C08L2666/02 , INV - C08L53/025 , C08L2666/02 , INV - C08L53/025 , C08L2666/04 , INV
CCA	- C08L23/06 ; C08L23/12 ; B32B2270/00 ; B32B2307/51 ; B32B2555/00 ; B32B2555/02 ; C08L2205/02 ; Y10T428/24942 ; Y10T428/273
PA	- (C2) PROCTER & GAMBLE [US]
TI	- (C2) EXTRUDED MULTILAYER MATERIAL FOR ABSORBENT PRODUCTS
AB	- (C2) FIELD: medicine.SUBSTANCE: invention refers to laminates applicable in absorbent products. The absorbent product comprises an upper layer, an external coating and an absorbent core in between. The external coating contains an extrusion bonded laminare (EBL). EBL comprises a multilayer co- extruded elastomeric film and a non-woven material. The film comprises a core layer, a binding layer and a surface layer with the surface layer arranged between the binding layer and the surface layer. The non-woven material consists of fibres and/or filaments made of

polypropylene, **polyethylene** and their mixtures. The binding layer is in a non-**adhesive** connection with the non-woven material by extrusion coating. The binding layer has a composition identical to that of the surface layer and contains **ethylene**-propylene **copolymer** with the **ethylene** content 10-97 wt % The external coating is elastic to at least approximately 50% of unit elongation. The solubility difference of the non-woven material and the binding layer makes 0 to 1.49 MPa. The solubility difference of the binding layer and the **core** layer makes 2.5 MPa or more. The **multilayer** co-extruded elastomeric film is characterised by a weight value per an area unit not exceeding approximately 40 g/sq.m. EFFECT: elastomeric **laminated** according to the invention provides improved mechanical elongation properties ensured by mechanical activation without delamination with the use of no more than two extruders. 5 cl, 10 dwg, 8 ex

2/7 © EPODOC / EPO

PN - [JP2011143692](#) A 20110728

PNFP - JP5407888B B2 20140205

PR - JP20100008550 20100118

AP - JP20100008550 20100118

DT - I

CT - || STSE (A)

[JP2006308086](#) A 20061109 [] (KURARAY CO)

[JP2007313652](#) A 20071206 [] (TOPPAN PRINTING CO LTD)

[JPS62118190](#) A 19870529 [] (DAINIPPON PRINTING CO LTD)

[JP2001021094](#) A 20010126 [] (DAINIPPON PRINTING CO LTD)

[JP2007327619](#) A 20071220 [] (DAINIPPON PRINTING CO LTD)

[JPH06337094](#) A 19941206 [] (MATSUSHITA REFRIGERATION)

[JP2007326339](#) A 20071220 [] (DAINIPPON PRINTING CO LTD)

[JP2007263335](#) A 20071011 [] (HITACHI APPLIANCES INC)

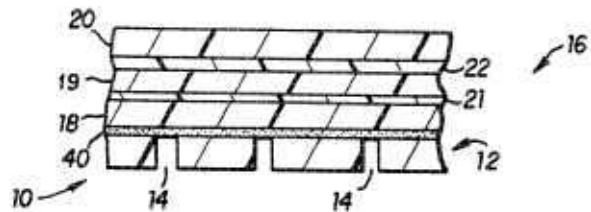
[JP2008256125](#) A 20081023 [] (HITACHI APPLIANCES INC)

[JPH08118551](#) A 19960514 [] (DAINIPPON PRINTING CO LTD)

- FI - B32B27/28&101; B32B27/28&102; F16L59/06; F16L59/065
- FT - 3H036/AA08; 3H036/AA09; 3H036/AB18; 3H036/AB28; 3H036/AC03; 4F100/AA17C; 4F100/AA18C; 4F100/AA20E; 4F100/AK01C; 4F100/AK03C; 4F100/AK03D; 4F100/AK03E; 4F100/AK42; 4F100/AK68B; 4F100/AL07C; 4F100/AR00A; 4F100/AR00C; 4F100/AR00D; 4F100/BA04; 4F100/BA05; 4F100/BA07; 4F100/DD31; 4F100/EH66E; 4F100/GB07; 4F100/GB31; 4F100/GB48; 4F100/JD02A; 4F100/JD15C; 4F100/JJ02; 4F100/JL12D; 4F100/YY00B; 4F100/YY00C; 4F100/YY00D
- PA - (A)
DAINIPPON PRINTING CO LTD
- TI - (A)
LAMINATE FOR VACUUM HEAT INSULATING MATERIAL AND VACUUM HEAT INSULATING MATERIAL
- AB - (A)
PROBLEM TO BE SOLVED: To provide a vacuum heat insulating material which is reduced in deterioration with the passage of time in gas-barrier properties, can effectively prevent the intrusion of water into the inside, can hold a high vacuum, can maintain insulating performance over a long period of time, and is excellent in cost performance.
- SOLUTION: A **laminate** 100 for the vacuum heat insulating material used in the vacuum heat insulating material which is produced in a vacuum state by enclosing an insulating **core** material of an outer packaging material and degassing the inside enclosed by the outer packaging material is constituted. At least a gas-barrier film 2 and a heat **adhesive** resin film 3 laminated on the innermost layer are included. The heat **adhesive** resin film 3 is a **multilayer laminate** which is produced by laminating an **ethylene**-vinyl alcohol **copolymer** layer 4 with an **ethylene** copolymerization ratio of 25-45 mol%, a moisture absorbing layer 5 obtained from a binder resin and a chemically water adsorbing substance, and a heat fusion layer 6 by coextrusion in turn from the side facing outside air when the **laminate** for the vacuum heat insulating material is applied to the vacuum heat insulating material.
- COPYRIGHT: (C)2011,JPO&INPIT

3/7 © EPODOC / EPO

- PN - [US5296291](#) A 19940322
- PR - US19890347858 19890505
- AP - US19890347858 19890505
- DT - *; Rep
- CT - || STSE (A)
[US4657610](#) A 19870414 [] (KOMATSU TOSHIO [JP], et al);
[US4935271](#) A 19900619 [] (SCHIRMER HENRY G [US])
- CCI - [A41D31/0027](#) ; [B32B27/08](#) ;
[B32B38/0008](#)
- CUI - [B32B7/12](#) ; [B32B27/306](#) ;
[B32B27/32](#) ; [B32B27/34](#) ;



- [B32B3/266](#)
- CCA - [B32B2307/724](#) ; [Y10S428/91](#) ;
[Y10T156/1056](#) ; [Y10T428/1334](#) ;
[Y10T428/24322](#) ;
[Y10T428/2826](#) ;
[Y10T428/31913](#) ;
[Y10T428/31797](#) ;
[Y10T428/3175](#) ;
[Y10T428/31928](#) ;
[Y10T428/31757](#)
- CUA - [B32B2307/7246](#) ;
[B32B2323/046](#) ; [B32B2323/10](#) ;
[B32B2379/08](#) ; [B32B2439/70](#)
- PA - GRACE W R & CO [US]
- TI - Heat resistant breathable films
- AB - A **multilayer laminate** comprises a first perforated film of propylene homopolymer or **copolymer**, oriented heat set polyester or oriented heat set polyamide and a second film bonded to the first film and including a bonding layer of **ethylene** vinyl acetate **copolymer** or chemically modified **ethylene** unsaturated ester **copolymer**, a **core** layer of a heat resistant, breathable polymeric material, and an outer heat sealable layer. One or more filler layers may be included in the structure, located between the outer heat sealable layer and a polymeric **adhesive** layer.

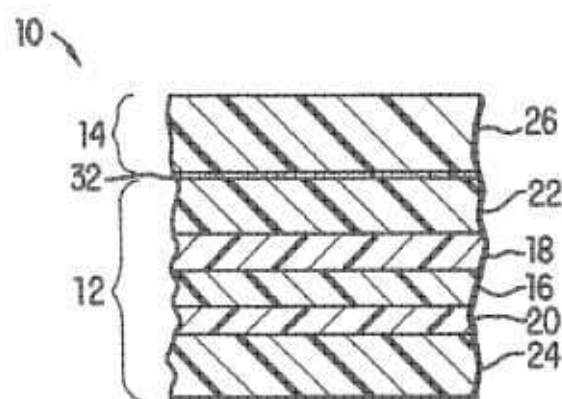
4/7 © EPODOC / EPO

- PN - [WO9964533](#) A1 19991216
- PR - US19980088802P 19980610
- AP - WO1999US12789 19990608
- DT - *; Rep
- CT - |EP| ISR (A1)
[EP0713765](#) A2 19960529 [A] (WOLFF WALSRÖDE AG [DE])
[A] 1-15
* claim - *;
[DE3330185](#) A1 19840223 [A] (CHEMPLEX CO [US])
[A] 1-15
* claim - *

CCI	- B32B7/12 ; C09J7/35 ; C09J7/22 ; C09J7/243
CUI	- B32B5/022 ; B32B5/245
CCA	- C09J2201/128 ; C09J2201/61
CUA	- B32B2260/021 ; B32B2260/046 ; B32B2262/101 ; B32B2266/0278 ; B32B2405/00
PA	- DOW CHEMICAL CO [US]
TI	- MULTILAYER ADHESIVE FILM
AB	- A multiple layer adhesive film that exhibits high temperature characteristics, barrier properties, puncture resistance, and tear resistance includes at least three layers: a core layer disposed between and adhered, bonded or laminated to two outer adhesive layers. Each adhesive layer is formed from a polymer blend that includes at least an ethylene homopolymer and an ethylene copolymer having polar moieties. The core layer includes an olefinic polymer with a melting point that is greater than that of any adhesive layer polymer. More than one multiple layer adhesive film may be used in a thermoformable laminated structure that includes layers fabricated from other polymeric and non-polymeric materials.

5/7 © EPODOC / EPO

PN	- US5374459 A 19941220
PR	- US19930043417 19930406
AP	- US19930043417 19930406
DT	- *; Rep
CT	- STSE (A) US4457960 A 19840703 [] (NEWSOME DAVID L [US]); US4495249 A 19850122 [] (OHYA MASAKI [JP], et al); US4724185 A 19880209 [] (SHAH GAUTAM P [US]); US4729926 A 19880308 [] (KOTELES RANDAL M [US], et al)



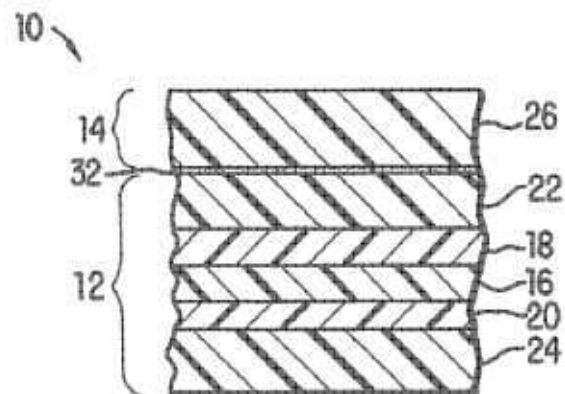
CCI	- B32B27/08
CUI	- B32B7/12 ; B32B27/306 ; B32B27/32 ; B32B27/36
CCA	- Y10S428/91 ; Y10T428/1383 ; Y10T428/2826 ; Y10T428/31913 ; Y10T428/31739 ; Y10T428/3192 ; Y10T428/31797 ; Y10T428/31743
CUA	- B32B2307/7244 ; B32B2323/04 ; B32B2323/046 ; B32B2367/00 ; B32B2439/70
PA	- GRACE W R & CO [US]
TI	- Packaging material for long-term

storage of food products

- AB - A thermoplastic **laminated** suitable for long-term storage of food products includes a first substrate having a **core** layer of **ethylene** vinyl alcohol **copolymer**, two interior **adhesive** layers, and two surface layers each comprising a blend of a linear **ethylene** alpha olefin **copolymer** and an **ethylene** unsaturated ester **copolymer**; and a second substrate comprising an olefinic material of monolayer or **multilayer** construction, and preferably of substantially the same composition as the first substrate; and the second substrate bonded to the first substrate preferably by means of a conventional lamination **adhesive**.

6/7 © EPODOC / EPO

- PN - [CA2109029](#) A1 19941007
 PNFP - CA2109029 C 20030819
 PR - US19930043417 19930406
 AP - CA19932109029 19931022
 DT - I
 CCI - [B32B27/08](#)
 CUI - [B32B7/12](#) ; [B32B27/306](#) ;
[B32B27/32](#) ; [B32B27/36](#)
 CCA - [Y10S428/91](#) ; [Y10T428/1383](#) ;
[Y10T428/2826](#) ;
[Y10T428/31913](#) ;
[Y10T428/31739](#) ;
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[Y10T428/31797](#) ;
[Y10T428/31743](#)
 CUA - [B32B2307/7244](#) ; [B32B2323/04](#) ;
[B32B2323/046](#) ; [B32B2367/00](#) ;
[B32B2439/70](#)
 PA - (A1 C)
 GRACE W R & CO [US]
 TI - (A1 C)



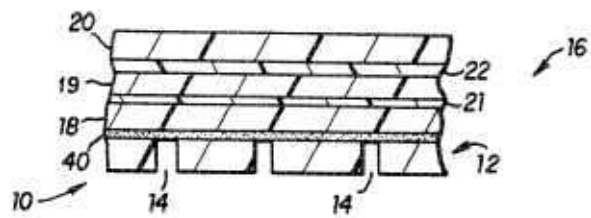
PACKAGING MATERIAL FOR LONG-
TERM STORAGE OF FOOD
PRODUCTS

AB

- (A1 C)
A thermoplastic **laminated** suitable for long-term storage of food products includes a first substrate having a **core** layer of **ethylene** vinyl alcohol **copolymer**, two interior **adhesive** layers, and two surface layers each comprising a blend of a linear **ethylene** alpha olefin **copolymer** and an **ethylene** unsaturated ester **copolymer**; and a second substrate comprising an olefinic material of monolayer or **multilayer** construction, and preferably of substantially the same composition as the first substrate; and the second substrate bonded to the first substrate preferably by means of a conventional lamination **adhesive**.

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- PN - [CA1324476](#) C 19931123
- PR - US19890347858 19890505
- AP - CA19890610036 19890831
- DT - I
- CCI - [A41D31/0027](#) ; [B32B27/08](#) ; [B32B38/0008](#)
- CUI - [B32B7/12](#) ; [B32B27/306](#) ; [B32B27/32](#) ; [B32B27/34](#) ; [B32B3/266](#)
- CCA - [B32B2307/724](#) ; [Y10S428/91](#) ; [Y10T156/1056](#) ; [Y10T428/1334](#) ; [Y10T428/24322](#) ; [Y10T428/2826](#) ; [Y10T428/31913](#) ; [Y10T428/31797](#) ; [Y10T428/3175](#) ; [Y10T428/31928](#) ; [Y10T428/31757](#)
- CUA - [B32B2307/7246](#) ;



[B32B2323/046](#) ; [B32B2323/10](#) ;
[B32B2379/08](#) ; [B32B2439/70](#)

- PA - GRACE W R & CO [US]
- TI - HEATRESISTANTBREATHABLE FILMS
- AB - A **multilayer laminate** comprises a first perforated film of propylene homopolymer or **copolymer**, oriented heat set polyester or oriented heat set polyamide and a second film bonded to the first film and including a bonding layer of **ethylene** vinyl acetate **copolymer** or chemically modified **ethylene** unsaturated ester **copolymer**, a **core** layer of a heat resistant, breathable polymeric material, and an outer heat sealable layer. One or more filler layers may be included in the structure, located between the outer heat sealable layer and a polymeric **adhesive** layer.