

Title (en)
SEALS PRODUCED FROM ALPHA-OLEFIN/VINYLDENE AROMATIC AND/OR HINDERED ALIPHATIC VINYLDENE/INTERPOLYMER BASED MATERIALS AND SEALING SYSTEMS THEREFROM

Title (de)
AUF ALPHA-OLEFIN/VINYLDEN AROMATISCHEN UND/ODER GEHINDERTEN ALIPHATISCHEN VINYLDEN INTERPOLYMER MATERIALIEN BASIERENDE DICHTUNGEN UND DARAUF BASIERENDE DICHTUNGSSYSTEME

Title (fr)
JOINTS REALISES EN MATIERES A BASE D'ALPHA-OLEFINE/VINYLDENE AROMATIQUE ET/OU VINYLDENE ALIPHATIQUE EMPECHE/ INTERPOLYMERES ET SYSTEMES D'ETANCHEITE Y RELATIFS

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Application
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Abstract (en)
[origin: WO9931176A1] The present invention discloses seals including container closure liners, gaskets and barrier membranes, comprising a polymer composition having an oxygen transmission coefficient at a temperature of 25 DEG C of less than about 300 cm³·mil/100 in²·day.atm. (1.2 cm³/cm.day.MPa), wherein the polymer composition comprises at least one substantially random interpolymer (or a blend comprising at least one substantially random interpolymer and at least one other polymer) and from 0 to 80 percent by weight (based on the total weight of the composition) of at least one filler. The present invention also discloses sealing systems which include container closures such as bottle caps comprising these seals. The interpolymers or blends used to produce the seals of the present invention (as well as the novel seals themselves) exhibit a unique balance of properties including low oxygen permeability, low Shore A hardness and excellent tensile strain recovery.

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IPC 8 full level
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Citation (search report)
See references of WO 9931176A1

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