

Title (en)
HETEROMORPHIC POLYMER COMPOSITIONS

Title (de)
HETEROMORPHE POLYMERZUSAMMENSETZUNG

Title (fr)
COMPOSITIONS POLYMERES HETEROMORPHES

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Abstract (en)
[origin: WO9832784A1] The subject invention pertains to heteromorphous polymer compositions characterized as comprising: (a) a homogeneous linear or substantially linear ethylene/ alpha -olefin interpolymer backbone; and (b) a branch appending from the backbone, which branch comprises an ethylene homopolymer or ethylene/ alpha -olefin interpolymer having a density which is at least 0.004 g/cm³ greater than that of the backbone. At least one of the backbone polymer or the branch polymer may be optionally functionalized to promote adhesion to polar surfaces. The heteromorphous polymer compositions of the invention exhibit enhanced upper service temperature. Also disclosed is a process for preparing the heteromorphous polymer compositions of the invention.

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