

Title (en)

METHOD FOR OBTAINING LDPE FROM USED PLASTIC FILMS

Title (de)

VERFAHREN ZUR GEWINNUNG VON LDPE AUS GEBRAUCHTEN KUNSTSTOFFOLIEN

Title (fr)

PROCEDE D'EXTRACTION DE PEBD DANS DES PELLICULES PLASTIQUES USEES

Publication

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Application

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Abstract (en)

[origin: WO02100932A1] A method for obtaining LDPE from used plastic films, comprising the following steps: low-molecular components are extracted from the film material which is dissolved in a second organic solvent; the film material thus treated is dissolved selectively in at least one third organic solvent, whereby a polymer solution of a determined concentration is produced; at least one disruptive polymer is precipitated out of the polymer solution by applying shearing forces to said solution; the LPDE is obtained from the remaining polymer solution. The starting material can be ground film arising from dry or wet treatment. If the ground film arises from dry treatment, the step wherein the film material is washed in a first organic solvent, resulting in a suspension, and printing ink adhering to the surface is washed, is performed at an earlier stage.

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