

Title (en)

Process for the production of fluorinated elastomers with low glass transition temperatures based on vinylidene fluoride and free of tetrafluoroethylene or siloxane group

Title (de)

Verfahren zur Herstellung von Fluorelastomeren mit niedrigen Glasübergangstemperatur auf Basis von Vinylidenfluorid und frei von Tetrafluorethylen und Siloxangruppen

Title (fr)

Procédé de préparation d'élastomères fluorés à faible température de transition vitreuse à base de fluorure de vinylidène et ne contenant ni du tétrafluoroéthylène, ni de groupement siloxane

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Application

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Priority

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Abstract (en)

[origin: WO0149758A1] The invention concerns the synthesis of novel fluorinated elastomers having very low glass transition temperatures, good resistance to bases, oil and fuels and suitable properties in use. Said elastomers contain, for example, 90 to 50 mol % of vinylidene fluorides (VDF) and 10 to 50 mol % of perfluoro vinyl ether (PMVE). In that particular case, they are prepared by free radical copolymerisation of VDF and PMVE in the presence of organic initiators such as for example peroxides, peresters or diazonium compounds.

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