

Title (en)
METHOD FOR PRODUCING A POLYURETHANE DISPERSION WITH A REDUCED FOAM FORMATION

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER POLYURETHAN-DISPERSION MIT VERRINGERTER SCHAUMBILDUNG

Title (fr)
PROCÉDÉ DE PRODUCTION D'UNE DISPERSION DE POLYURÉTHANE AVEC FORMATION DE MOUSSE RÉDUITE

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Application
EP 19733815 A 20190702

Priority
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• EP 2019067657 W 20190702

Abstract (en)
[origin: WO2020007816A1] The invention relates to a method for producing a polyurethane dispersion, having the steps of: I) providing isocyanate-functional prepolymers A) in a liquid phase comprising a solvent which can be mixed with water and which has a lower boiling point than water and II) adding NCO-reactive compounds to the isocyanate-functional prepolymers from step I) such that a reaction with the prepolymers is at least partly produced; wherein the liquid phase in step I additionally comprises water and/or after step II), water is added to the mixture obtained in step II). A pressure p_l is applied to the liquid mixture with the isocyanate-functional prepolymers A) prior to and/or while carrying out step II), wherein p_l is less than the local atmospheric pressure present at said point in time. The pressure p_l is selected such that in step II), ≤ 50 mass.% (preferably > 0 mass.% to ≤ 40 mass.%, more preferably ≥ 0.1 mass.% to ≤ 30 mass.%, in particular ≥ 1 mass.% to ≤ 10 mass.%) of the originally provided solvent which can be mixed with water is distilled.

IPC 8 full level
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Citation (search report)
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