

Title (en)

PROCESSES FOR MAKING MULTIMODAL MOLECULAR WEIGHT DISTRIBUTION POLYOLEFINS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON POLYOLEFINEN MIT MULTIMODALER MOLEKULARGEWICHTSVERTEILUNG

Title (fr)

PROCÉDÉS DE PRODUCTION DE POLYOLÉFINES AYANT UNE DISTRIBUTION DES POIDS MOLÉCULAIRES MULTIMODALE

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Application

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Abstract (en)

[origin: WO2012067777A2] This invention relates to a process to make a multimodal polyolefin composition comprising: (i) contacting at least one first olefin monomer with a mixed catalyst system, under polymerization conditions, to produce at least a first polyolefin component having a Mw of 5,000 g/mol to 600,000 g/mol, wherein the mixed catalyst system comprises: (a) at least one polymerization catalyst comprising a Group 4 or Group 5 transition metal; (b) at least one organochromium polymerization catalyst; (c) an activator; and (d) a support material; (ii) thereafter, contacting the first polyolefin component/mixed catalyst system combination with a molecular switch; (iii) contacting the first polyolefin component/mixed catalyst system combination with at least one second olefin monomer, which may be the same or different, under polymerization conditions; and (iv) obtaining a multimodal polyolefin composition.

IPC 8 full level

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