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(54) Title: POLYMER PROCESSING AIDS BASED ON POLYDIMETHYLSILOXANE AND POLYETHYLENE GLYCOL

(57) Abstract: A method of reducing or eliminating melt fracture during extrusion includes blending ethylene-based polymer having a melt index (I₂) of less than 2.0 dg/min with a polymer processing aid (PPA), wherein the PPA includes non-functionalized polydimethylsiloxane (PDMS) having a kinematic viscosity range of 4,000 to 100,000 cSt, and polyethylene glycol (PEG) having an average molecular weight (MW) of 1,000 to 10,000 g/mol, wherein the ratio by weight of PDMS to PEG is from 95:5 to 65:35.

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