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(54) **Title:** COMPOSITION BASED ON RECYCLED POLYETHYLENE FROM CABLE WASTE

(57) **Abstract:** The invention is related to a polyethylene composition characterized in that it comprises a base resin and an inorganic mineral filler which is present in the composition in an amount of 1 to 50 wt% in respect to the weight of composition, wherein said base resin comprises: a) a first crosslinked polyethylene (PEX) having a gel content (measured according to ASTM D 2765:2006) in the range of 5% to 80% in respect to the weight of crosslinked polyethylene (PEX), said crosslinked polyethylene (PEX) being obtained from recycled wastes and b) a second polyethylene (PE) selected from virgin polyethylene and recycled polyethylene, or mixtures thereof. The invention is further related to a process for production of said polyethylene composition, and use of the polyethylene composition.

