

ABSTRACT

SLURRY PHASE POLYMERISATION PROCESS

A process comprising polymerising in a loop reactor of a continuous tubular construction an olefin monomer optionally together with an olefin comonomer in the presence of a polymerisation catalyst in a diluent to produce a slurry comprising solid particulate olefin polymer and the diluent wherein the average internal diameter of at least 50% of the total length of the reactor is at least 650 millimeters, the solids concentration in the reactor is at least 15 volume % and having a particle size distribution such that $(D_{90}-D_{10})/D_{50}$ is less than 2.

Fig. 1



162162



G00002