Claims:

1. A process for extrusion of polymer comprising feeding a polymer feedstock to ~~the~~ a feed port of an extruder, said extruder comprising:

(i) two or more barrel sections arranged sequentially from:

(a) an upstream feed barrel section to which polymer feedstock to be extruded is fed, the upstream feed barrel section containing two ~~or more~~ screws each having a diameter of X; to

(b) a downstream barrel section from which melted polymer is passed to a die and extruded; and

(ii) ~~one or more~~the feed port~~s~~ for feeding polymer feedstock to be extruded into the extruder at its upstream end,

~~characterised in that~~wherein (a) the polymer feedstock is a polymer of ethylene or propylene and is in the form of a powder having a flowability ratio of from at least 1 to less than 6, said flowability ratio of the polymer powder being measured using the instantaneous shear test described in ASTM D 6773-02 at a consolidation pressure of 2000 Pa and at a temperature that is equal to the temperature of the polymer powder at the feed port during the extrusion process,

(b) the diameter of the screws in the feed port barrel section of extruder is 200 mm or greater, and

(c) ~~and that the total area of the one or more~~the feed port~~s~~ area is a rectangular shape with width limited by the width of the upstream feed barrel section to up to 2*X and with a length greater than 2.5*X and the total area of the feed port through which polymer feedstock is introduced is greater than $5*X^2$.

2. A process according to claim 1 wherein the polymer feedstock has a flowability ratio of less than 4~~, and most preferably has a flowability ratio of less than 2~~.

~~3. A process according to any one of the preceding claims wherein the extruder has two screws.~~

~~4~~3. A process according to ~~any one of the preceding claims~~claim 1 wherein the extruder comprises three of more barrel sections.

~~5~~4. A process according to ~~any one of the preceding claims~~claim 1 wherein the extruder has a single feed port which has an area greater than $5*X^2$.

~~6~~5. A process according to ~~any one of the preceding claims~~claim 1 wherein the total area of ~~the one or more~~ feed ports through which polymer is introduced is greater than $6*X^2$.

~~7~~6. A process according to ~~any one of the preceding claims~~claim 1 wherein the ratio of the screw pitch to screw diameter within the upstream feed barrel section of the extruder is at least 1 and no greater than 2.5.

~~8~~7. A process according to ~~any one of the preceding claims~~claim 2 wherein the ~~diameter of the screws in the feed port barrel section of the extruder is 200 mm or greater~~polymer feedstock has a flowability ratio of less than 2.