CLAIMS

1. A process to form a "first composition comprising a first ethylene/α-olefin interpolymer and a second ethylene/α-olefin interpolymer,"

said process comprising polymerizing a first mixture comprising ethylene, an α-olefin, and optionally a polyene, in a stirred tank reactor to form a first ethylene/α-olefin interpolymer, and

transferring at least some of the first ethylene/α-olefin interpolymer to a loop reactor, and polymerizing, therein, a second mixture comprising ethylene, an alpha-olefin, and optionally a polyene, in the presence of the first ethylene/α-olefin interpolymer, to form the "first composition comprising the first ethylene/α-olefin interpolymer and the second ethylene/α-olefin interpolymer."

2. The process of claim 1, wherein the stirred tank reactor is a continuous stirred tank reactor (CSTR).

3. The process of claim 1 or claim 2, wherein the polymerization of the first mixture is a solution polymerization.

4. The process of any one of the previous claims, wherein the polymerization of the second mixture is a solution polymerization.

5. The process of claim 4, wherein the ratio of "the solution viscosity of the first ethylene/α-olefin interpolymer, in the stirred tank reactor, at the stirred tank reactor temperature" to "the solution viscosity of the first composition, in the loop reactor, at the loop reactor temperature" is greater than, or equal to, 3.0.

6. The process of any one of the previous claims, wherein the ratio of "the reactor temperature of the stirred tank reactor" to "the reactor temperature of the loop reactor" is from 0.50 to 1.00 °C/°C.

7. The process of any one of the previous claims, wherein the difference ($Mw_{first} - Mw_{second}$) in the weight average molecular weight (Mw_{first}) of the first interpolymer and the weight average molecular weight (Mw_{second}) of the second interpolymer is greater than, or equal to, 150,000 g/mole.

8. A composition formed by the process of any one of the previous claims.

9. An article comprising at least one component formed from the composition of claim 8.

10. A polymerization reactor configuration comprising at least the following: a stirred tank reactor followed by a loop reactor.