What is claimed is:

1. A polyethylene ~~polyolefin~~ composition comprising:

a high molecular weight polyethylene ~~polyolefin~~ having a density from 0.920 to 0.945 g/cm^3; and

a low molecular weight polyethylene ~~polyolefin~~ having an I_2 from 5 to 200 g/10 min,

wherein the polyethylene ~~polyolefin~~ composition has a high molecular weight split of from 39 to 49 percent, has an absolute Z-average molecular weight ($M_z(Abs)$) from 3,500,000 to 12,000,000 g/mol; or wherein the polyethylene composition has an absolute weight average molecular weight ($M_w(Abs)$) from 350,000 to 800,000 g/mol, and the polyethylene composition provides a cumulative detector fraction (CDF_{LS}) at a molecular weight of $\geq$ 10,000,000 g/mol of greater than 0.085.

2. The polyethylene ~~polyolefin~~ composition of claim 1, wherein the high molecular weight polyethylene ~~polyolefin~~ is an ethylene/1-hexene copolymer that has a high load melt index (I_{21}) from 0.45 to 1.50 g/10 min. and wherein the low molecular weight polyethylene ~~polyolefin~~ is a polyethylene homopolymer.

3. The polyethylene ~~polyolefin~~ composition of any one of the preceding claims, wherein the polyethylene ~~polyolefin~~ composition provides an Environmental Stress Crack Resistance F_{50} Condition B (10% IGEPAL) greater than 140 hours.

4. The polyethylene ~~polyolefin~~ composition of ~~any one of the preceding~~ claim~~s~~ 1, wherein the polyethylene ~~polyolefin~~ composition provides a swell (t1000) greater than 6.5 seconds.

5. The polyethylene ~~polyolefin~~ composition of ~~any one of the preceding~~ claim~~s~~ 1,

wherein the polyethylene ~~polyolefin~~ composition has a density from 0.930 to 0.970 g/cm^3, a M_w/M_n greater than 17, a melt index (I_{21}) from 15 to 40 g/10 min, and

provides a G'/G" (0.02 s^{-1}) value that is greater than 0.3087 + 0.00404 *(Eta at 0.02 s^{-1})/(Eta at 200 s^{-1}) - 0.224 * HMW Split, and

a G'(G''=3000 Pa) value from 1650 to 1870 Pa.

6. A polyethylene ~~polyolefin~~ composition comprising:

a high molecular weight polyethylene~~polyolefin~~; and

a low molecular weight polyethylene~~polyolefin~~,

wherein the polyethylene ~~polyolefin~~ composition has a high molecular weight split of from 39 to 49 percent, a density from 0.930 to 0.970 g/cm^3, a M_w/M_n greater than 17, a melt index (I_{21}) from 15 to 40 g/10 min, and

provides a G'/G" (0.02 s^{-1}) value that is greater than 0.3087 + 0.00404 *(Eta at 0.02 s^{-1})/(Eta at 200 s^{-1}) - 0.224 * HMW Split, and

a G'(G''=3000 Pa) value from 1650 to 1870 Pa.

7. The polyethylene ~~polyolefin~~ composition of claim 6, wherein the polyethylene ~~polyolefin~~ composition provides a G'(G''=3000 Pa) value that is greater than 1242.6 + 17.5 *(I_{21}/I_5) - 5.6 * I_{21}.

~~8. The polyolefin composition of any one of claims 1-7, wherein the polyolefin composition has a high molecular weight split less than 50 percent.~~

~~9~~8. The polyethylene ~~polyolefin~~ composition of ~~any one of~~ claim~~s~~ 1~~-8~~, wherein the polyethylene ~~polyolefin~~ composition provides a melt strength from 6.5 to 12.0 cN.

~~10~~9. The polyethylene ~~polyolefin~~ composition of ~~any one of~~ claim~~s~~ 1~~-9~~, wherein the polyethylene ~~polyolefin~~ composition provides a top load greater than 200 grams; or wherein the polyethylene ~~polyolefin~~ composition provides a top load less than 279 grams; or both.

~~11. The polyolefin composition of any one of claims 1-10, wherein the polyolefin composition has an absolute Z-average molecular weight (M_z(*Abs*)) from 3,500,000 to 12,000,000 g/mol; or wherein the polyolefin composition has an absolute weight average molecular weight (M_w(*Abs*)) from 350,000 to 800,000 g/mol.~~

~~12~~10. The polyethylene ~~polyolefin~~ composition of ~~any one of~~ claim~~s~~ 1~~-11~~, wherein the polyethylene ~~polyolefin~~ composition has a weight Z-average molecular weight (M_z) from 1,500,000 to 5,500,000 g/mol.

~~13~~11. The polyethylene ~~polyolefin~~ composition of ~~any one of~~ claim~~s~~ 1~~-12~~, wherein the polyethylene ~~polyolefin~~ composition provides a cumulative detector fraction (CDF_{LS}) at a molecular weight of ≥ 10,000,000 g/mol of greater than 0.10; or wherein the polyethylene ~~polyolefin~~ composition provides a cumulative detector fraction (CDF_{LS}) at a molecular weight of ≥ 10,000,000 g/mol of less than 0.140; or both.

~~14~~12. The polyethylene ~~polyolefin~~ composition of ~~any one of~~ claim~~s~~ 1~~-13~~ having any one of limitations (i) to (vii):

(i) wherein the polyethylene ~~polyolefin~~ composition has a high molecular weight split of from 39 to 49 percent;

(ii) wherein the high molecular weight polyethylene ~~polyolefin~~ has a density from 0.937 to 0.941 g/cm^3;

(iii) wherein the low molecular weight polyethylene ~~polyolefin~~ has a melt index (I_2) from 16.5 to 129 g/10 min.;

(iv) both limitation (i) and (ii);

(v) both limitations (i) and (iii);

(vi) both limitations (ii) and (iii); and

(vii) each of limitations (i), (ii), and (iii).

~~15~~13. A method of making the polyethylene ~~polyolefin~~ composition of ~~any one of the preceding~~ claim~~s~~ 1, the method comprising polymerizing with a Ziegler-Natta catalyst ethylene and 1-hexene in a first fluidized bed reactor under first process conditions to make the high molecular weight polyethylene ~~polyolefin~~ containing the olefin polymerization catalyst, transferring the high molecular weight polyethylene ~~polyolefin~~ containing the olefin polymerization catalyst to a second fluidized bed reactor, which is in-series with the first fluidized bed reactor, and polymerizing ethylene in the second fluidized bed reactor under second process conditions so as to make the low molecular weight polyethylene~~polyolefin~~, wherein the first process conditions in the first fluidized bed reactor are configured for making the high molecular weight polyethylene ~~polyolefin~~ and the second process conditions in the second fluidized bed reactor are configured for making the low molecular weight polyethylene~~polyolefin~~, thereby making the polyethylene ~~polyolefin~~ composition.