Claims

What is claimed:

1. A method comprising:

removing a portion of support particles that are more than 1.0, 1.5, 2.0, 2.5, or 3.0 standard deviations away from a mean particle diameter of a whole support particle population, wherein the portion of portion of support particles are smaller than an average of the whole support particle population;

forming a catalyst formulation that includes a portion of retained support particles; and

utilizing the catalyst formulation in a gas phase polymerization.