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(54) Title: METHOD FOR IMPROVING THE BUBBLE STABILITY OF A POLYETHYLENE COMPOSITION SUITABLE FOR BLOWN FILM EXTRUSION PROCESS

(57) Abstract: The instant invention provides a method for improving the bubble stability of a polyethylene composition suitable for blown film extrusion process. The method for improving the bubble stability of a polyethylene composition suitable for blown film extrusion process comprises the steps of: (1) providing a polyethylene composition having a density in the range of 0.900 g/cm³ to 0.970 g/cm³ and an relaxation spectrum index (RSI) value in the range of 10 to 100; (2) oxygen tailoring said polyethylene composition; (3) thereby forming an oxygen tailored polyethylene composition, wherein the RSI value of the said oxygen tailored polyethylene composition increases from 10% to 300% of its initial value; (4) thereby improving the bubble stability of said polyethylene composition.



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