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(54) Title: ENHANCED ESCR BIMODAL HDPE FOR BLOW MOLDING APPLICATIONS

(57) Abstract: Bimodal polyethylene compositions and blow molded bottles made therefrom are provided, hi at least one specific embodiment, the composition includes at least one high molecular weight polyethylene component having a molecular weight distribution (MWD) of about 6 to about 9, a short chain branch content of less than about 2 branches per 1,000 main chain carbons, and a Mz of about 1,100,000 or more. The composition also includes at least one low molecular weight polyethylene component where a ratio of weight average molecular weight of the high molecular weight polyethylene component to weight average molecular weight of the low molecular weight polyethylene component is about 20 or less. The composition has a density of about 0.94 g/cc or more, an ESCR of about 600 hours or more, and a percent die swell of about 70% or more.

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