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(54) Title: SPHEROIDAL POLYESTER POLYMER PARTICLES

(57) Abstract: Spheroidal polyester polymer particles, as well as preforms and stretch blow molded bottles made from the spheroidal particles, are provided which have: A) an lt.v. of at least 0.72 dL/g, and either B) at least two melting peaks (on a DSC first heating scan), wherein one of said at least two melting peaks is a low peak melting point having a peak temperature within a range of 140 °C to 220 °C and having a melting endotherm area of at least the absolute value of 1 J/g, or C) a low degree of crystallinity within a range of at least 20% and a maximum degree of crystallinity T_{cmax} defined by the equation: $T_{cmax} = 50\% - CA - OH$ where CA is the total mole % of all carboxylic acid residues other than terephthalic acid residues, based on 100 mole % of carboxylic acid residues in the polyester polymer, and OH is the total mole % of hydroxyl functional compound residues other than ethylene glycol residues, based on 100 mole % of the hydroxyl functional compounds residues; or both B) and C); and optionally but: preferably D) 10 ppm or less of residual acetaldehyde.

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