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(54) Title: LDPE FOR USE AS A BLEND COMPONENT IN SHRINKAGE FILM APPLICATIONS

(57) Abstract: An ethylene-based polymer characterized as having a density from about 0.9 to about 0.94 grams per cubic centimeter, a molecular weight distribution (Mw/Mn) from about 4 to about 10, a melt index (I2) from about 0.05 to about 2 grams per 10 minutes, a gpcBR value greater than 0.05 as determined by a gpcBR Branching Index and a Y value greater than 0.4 is disclosed. This ethylene-based polymer is especially useful for blending with other polymers such as LLDPE. When converting the blends into film, especially shrink film, the film shows good optics, good shrink tension, high stiffness, high tensile modulus, and tensile strength. When this resin is blended at with a LLDPE on a blown film line, improvements are seen in haze, gloss, clarity, and MD and CD tear as compared to a comparative LDPE.



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