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(54) Title: BLENDED FLUOROPOLYMER COMPOSITIONS AND COATINGS FOR FLEXIBLE SUBSTRATES

(57) Abstract: Blended fluoropolymer compositions that, in one exemplary application, may be applied as a coating to a flexible substrate and, optionally, to a flexible substrate that has been previously coated with a primer or basecoat and/or a midcoat. In one embodiment, the composition is a blend of at least one low molecular weight polytetrafluoroethylene (LPTFE) and at least one melt-processible fluoropolymer (MPF). In another embodiment, the composition includes a fluoropolymer base component including at least one fluoropolymer such as high molecular weight polytetrafluoroethylene (HPTFE), and additionally includes the LPTFE/MPF blended fluoropolymer composition. After being applied to the flexible substrate, optionally over a primer or basecoat and/or midcoat, and then cured, the present compositions form coatings that demonstrate improved abrasion resistance and/or improved release characteristics and/or increased translucency/transparency and/or improved impermeability. The present compositions may also be used to produce films having a high degree of clarity and impermeability. The present compositions in powder form may be melt or paste extruded to form articles with improved impermeability.



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