

Title (en)
MATTE FINISH POLYIMIDE FILMS AND METHODS RELATING THERETO

Title (de)
POLYIMIDFOLIEN MIT MATTER OBERFLÄCHE UND VERFAHREN IM ZUSAMMENHANG DAMIT

Title (fr)
FILMS EN POLYIMIDE À FINI MAT ET PROCÉDÉS ASSOCIÉS

Publication
EP 2596052 A1 20130529 (EN)

Application
EP 11704014 A 20110214

Priority

- US 2010045301 W 20100812
- US 85073910 A 20100805
- US 2010044202 W 20100803
- US 84217410 A 20100723
- US 2011024745 W 20110214

Abstract (en)
[origin: WO2012011970A1] The present disclosure is directed to a base film having a thickness from 8 to 152 microns, a 60 degree gloss value from 2 to 35, an optical density greater than or equal to 2 and a dielectric strength greater than 1400 V/mil. The base film comprises a chemically converted (partially or wholly aromatic) polyimide in an amount from 71 to 96 weight percent of the base film. The base film further comprises a pigment and a matting agent. The matting agent is present in an amount from 1.6 to 10 weight percent of the base film, has a median particle size from 1.3 to 10 microns, and has a density from 2 to 4.5 g/cc. The pigment is present in an amount from 2 to 9 weight percent of the base film. The present disclosure is also directed to coverlay films comprising the base film in combination with an adhesive layer.

IPC 8 full level
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CPC (source: EP)
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