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(54) Title: BONDED METAL HYDROXIDE-ORGANIC COMPOSITE POLYMER FILMS ON PARTICULATE SUBSTRATES

(57) Abstract: A lamellar particle is coated with an amorphous metal oxide hydrated gel which is then converted into a hydrophobic metal hydroxide-organic composite polymer film. The resulting product can be combined with a powdery film-forming polymer to produce a film-forming composition which can be applied by electrostatic coating. It also has significantly enhanced performance in plastic masterbatching, hydrophobic cosmetic formulations, and liquid paints and numerous other applications where a hydrophobic pigment is advantageous.

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