

Title (en)

PHOSPHOROUS CONTAINING REPROCESSED POLYMER MATERIALS, ARTICLES FORMED THEREOF, AND METHODS OF FORMING SUCH ARTICLES

Title (de)

PHOSPHOR MIT WIEDERAUFBEREITETEN POLYMERMATERIALIEN, DARAUS GEFORMTE ARTIKEL UND VERFAHREN ZUR FORMUNG SOLCHER ARTIKEL

Title (fr)

MATIÈRES POLYMÈRES RETRANSFORMÉES CONTENANT DU PHOSPHORE, ARTICLES FORMÉS À PARTIR DE CES MATIÈRES, ET PROCÉDÉS DE FORMATION DE TELS ARTICLES

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Application

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Abstract (en)

[origin: WO2008033755A2] Polymer materials that have been previously melt formed and cooled, can be reused in subsequent melt processes without undue degradation in one or more aesthetic or functional properties. The addition of phosphorous facilitates the reuse of the previously melt formed and cooled mixture of polymer material, e.g., commingled post consumer regrind and/or commingled plant scrap regrind. The processed mixture can then be reused in a significantly higher amount (than is possible without the phosphorous material) in a subsequently melt formed article without producing an undesirable amount of, for example yellowing, haze and/or reduction in melt viscosity. The reprocessed material may further provide increased layer compatibility in a subsequently formed multilayer article.

IPC 8 full level

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