

Title (en)  
A material and process of manufacturing luggage cases

Title (de)  
Material und Verfahren zur Herstellung von Gepäckstücken

Title (fr)  
Matériau et procédé pour la fabrication de valises

Publication  
**EP 2428131 A1 20120314 (EN)**

Application  
**EP 11181305 A 20110914**

Priority  
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Abstract (en)  
The invention relates to novel modified polypropylene compositions, especially for luggage case applications. More particularly, the invention relates the blend of PP and elastomer which are compatible to polypropylene are heated to melt in the injection moulding unit barrel. The melted material of the blend bonds together in the predetermined proportion of PP - 60 to 90% and Elastomer which are compatible to Polypropylene - 40 to 10% depending on the product design & structure (For example - Engage , Ethyl vinyl acetate (EVA) etc. to give a single material type with molecular continuity . In short, the material properties are enhanced through molecular properties of each polymer , resulting in manufacture of luggage case as "No break". [This modified polypropylene composition for a luggage case is henceforth called as "K-PP"]. It also relates to manufacturing of various luggage cases from the said material.

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