

Title (en)  
THERMOPLASTIC MIXTURES

Title (de)  
THERMOPLASTISCHE MISCHUNGEN

Title (fr)  
MÉLANGES THERMOPLASTIQUES

Publication  
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Application  
**EP 21761997 A 20210805**

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Abstract (en)  
[origin: WO2022029260A1] The invention relates to thermoplastic mixtures containing: A) 30 to 100 wt.% of a thermoplastic blend consisting of: A-1) 55 to 75 wt.% of a polyester, A-2) 5 to 25 wt.% of an HD or LD polyethylene, and A-3) 10 to 25 wt.% of an ionomer made of at least one copolymer of: 3-1) 30 to 99 wt.% ethylene, 3-2) 0 to 60 wt.% of one or more compounds selected from the group consisting of 1-octene, 1-butene, and propylene, and 3-3) 0.01 to 50 wt.% of one or more functional monomers selected from the group consisting of carboxylic acids, carboxylic acid anhydrides, and carboxylic acid esters, with the proviso that the proportion of carboxylic acids equals 30 to 100 wt.%, the proportion of carboxylic acid anhydrides and/or carboxylic acid esters equals 0 to 70 wt.% in a complementary manner, and a proportion of the hydrogen of the carboxyl groups of the carboxylic acids equaling at least 20% (mol.%) of the total number of carboxyl groups is replaced with a metal selected from the group consisting of sodium, potassium, and zinc, wherein the sum of the proportions of the components 3-1, 3-2, and 3-3 equals 100 wt.%, and the sum of the proportions of the components A-1, A-2, and A-3 equal 100 wt.%, and B) 0 to 70 wt.% of additional additives. The sum of the proportions of the components A) and B) equals 100 wt.%.

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