

Title (en)
FLAME RETARDANT POLYESTER COMPOSITIONS AND USE THEREOF

Title (de)
FLAMMHEMMENDE POLYESTERZUSAMMENSETZUNGEN UND DEREN VERWENDUNG

Title (fr)
COMPOSITIONS DE POLYESTER IGNIFUGES ET LEUR UTILISATION

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Application
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Abstract (en)
[origin: WO2019048309A1] The invention relates to flame retardant polyester compositions containing - thermoplastic polyester as component A, fillers and/or reinforcing materials as component B, phosphinic acid salt of formula (I) as component C, wherein R1 and R2 represent ethyl, M represents Al, Fe, TiOp or Zn, m is 2 to 3, and $p = (4 - m) / 2$, a compound selected from the group consisting of Al-, Fe-, TiOp- or Zn salts of ethylbutyl phosphinic acid, dibutylphosphinic acid, ethylhexylphosphinic acid, butylhexylphosphinic acid and/or the dihexylphosphinic acid as component D, and phosphonic acid salt of formula (II) as component E, wherein R3 represents ethyl, Met represents Al, Fe, TiOq or Zn, n is 2 to 3, and $q = (4 - n) / 2$, wherein the X-ray powder diffractogram of the compositions contain the following reflections: in the angle range 2θ from 9.099° to 9.442° , from 18.619° to 18.984° and from 26.268° to 26.679° and/or in the angle range 2θ from 5.112° to 5.312° , from 6.097° to 6.297° , from 10.082° to 10.282° , from 10.350° to 10.550° and from 12.308° to 12.508° and/or in the angle range 2θ from 9.117° to 9.317° and from 18.537° to 18.737° 5 and/or in the angle range 2θ from 8.300° to 8.500° . The polyester compositions can be used to produce fibres, films and moulded bodies, in particular for electrical and electronic applications.

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See references of WO 2019048309A1

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