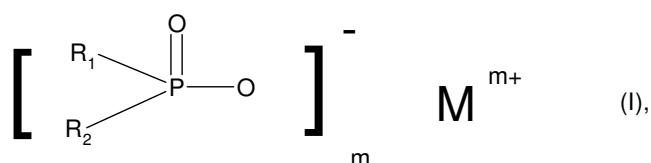


Abstract

Flame-retardant gray polyamide compositions and use thereof

- 5 The invention relates to flame-retardant polyamide compositions comprising
- polyamide having a melting point of not more than 290°C as component A,
 - fillers and/or reinforcers as component B,
 - phosphinic salt of the formula (I) as component C



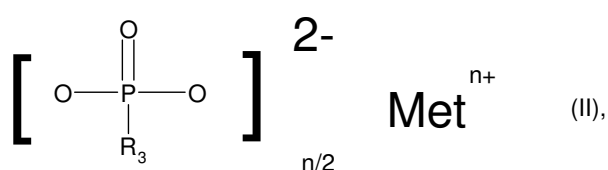
10 in which R₁ and R₂ are ethyl,

M is Al, Fe, TiO_p or Zn,

m is 2 to 3, and

p = (4 – m) / 2

- compound selected from the group of the Al, Fe, TiO_p and Zn salts of ethylbutylphosphinic acid, of dibutylphosphinic acid, of ethylhexylphosphinic acid, of butylhexylphosphinic acid and/or of dihexylphosphinic acid as component D
- 15 - phosphonic salt of the formula II as component E



20 in which R₃ is ethyl,

Met is Al, Fe, TiO_q or Zn,

n is 2 to 3, and

q = (4 – n) / 2

- melamine polyphosphate having an average degree of condensation of 2 to 200 as component F, and
- 25 - gray colorant as component G.

The gray polyamide compositions can be used for production of fibers, films and shaped bodies, especially for applications in the electricals and electronics sector.

[No suitable figure]