

Title (en)
FLAME RETARDANT POLYOLEFIN BLENDS

Title (de)
FLAMMGESCHÜTZTE POLYOLEFINZUSAMMENSETZUNGEN

Title (fr)
MELANGES POLYOLEFINIQUES INIFUGES

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Application
EP 03808345 A 20031121

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IN 0300365 W 20031121

Abstract (en)
[origin: WO2005049716A1] A Flame retardant composition and a process for the preparation thereof is disclosed. The blends of the invention are prepared by melt-mixing (I) a base polymer which is a polyolefin polymer or a blend of two polyolefin polymers (ii) melamine or its derivative such as melamine cyanurate or melamine phosphate (iii) a metal hydroxide, where the metal involved could be magnesium or aluminum and (iv) a compatibilizer, in a Buss co-kneader (or a twin screw extruder). The polyolefin blends of this invention exhibit flame retardancy by passing UL 94 V-0 test, with balanced mechanical Properties.

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