

Title (en)
METHOD FOR ADDITIVE MANUFACTURING OF INTUMESCENT PRODUCTS

Title (de)
VERFAHREN ZUR ADDITIVEN HERSTELLUNG INTUMESZIERENDER PRODUKTE

Title (fr)
PROCÉDÉ POUR LA FABRICATION ADDITIVE DE PRODUITS INTUMESCENTS

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Application
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Abstract (en)
[origin: WO2022106698A1] The invention relates to a method for additive manufacturing of three-dimensional intumescent products (IP) comprising the steps of: Step 1: providing at least one intumescent composition (C), preferably in the form of a monofilament; Step 2: melting said composition (C) and printing the composition (C) in molten form using an additive manufacturing machine or 3D printer, preferably by using a monofilament additive manufacturing technique, to form the intumescent product (IP); wherein the intumescent composition (C), relative to the total weight of the composition (C), comprises: 20-80 % by weight (wt.%) of at least one binder polymer (P); 2-80 wt.% of at least one intumescent additive (I); 0-78 wt.% of at least one filler (F); wherein the sum of the components of composition (C), excluding the at least one binder polymer (P), is equal to or less than 80 wt.%.

IPC 8 full level
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