

Title (en)  
FLEXIBLE TUBE COATED WITH LAYER HAVING DIFFUSION BARRIER EFFECT TO GASES AND AROMAS

Title (de)  
MIT EINER GAS- UND AROMA-DIFFUSIONSSPERRSCHICHT BESCHICHTETE FLEXIBLE TUBE

Title (fr)  
TUBE SOUPLE REVETU D'UNE COUCHE A EFFET BARRIERE DE DIFFUSION AUX GAZ ET AUX AROMES

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Abstract (en)  
[origin: WO0147783A2] The invention concerns a flexible tube designed to store and dispense liquid to pasty products containing perfumes, aromas or sensitive to oxidation, whereof the wall bears over its entire surface a coating comprising a layer with thickness ranging between 150 and 1500 ANGSTROM of a material or a mixture of materials belonging to the following group: amorphous carbon, hydrogenated or not, nitrogenous or not, oxides, nitrides or carbides or a mixture thereof or their combination of one or several of the following metals: (Si, Mg, Al, Ti, Zr, N, Ta, Mo, W, V). Preferably, it consists in an internal layer. The coating is carried out using plasma, preferably under atmospheric pressure, by decomposition of a gaseous compound and condensation on the substrate or else with a cord-like plasma . The coating can be mixed or gradual: for instance carbon with polymeric trend as undercoat and silica at the surface.

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