

Title (en)

PLASTICIZED NYLON BALLOONS FOR MEDICAL DEVICES

Title (de)

BALLONS AUS WEICHGEMACHTEN NYLON FÜR MEDIZINISCHE ANWENDUNGEN

Title (fr)

BALLONNETS EN NYLON PLASTIFIE POUR DISPOSITIFS MEDICAUX

Publication

EP 0971752 A1 20000119 (EN)

Application

EP 97944478 A 19970926

Priority

- US 9717275 W 19970926
- US 80417197 A 19970221

Abstract (en)

[origin: WO9836783A1] A balloon for use in a medical device made of a material comprising a plasticized polyamide having a glass transition temperature of less than about 32 DEG C. The polyamide may be Nylon 11 or Nylon 12, the plasticizer may be N-n-butyl benzosulfonamide, and the material may also include a stabilizer. A method for making a balloon for use in a medical device including providing a tube made of a material comprising a plasticized polyamide; disposing the tube in a balloon mold; heating the tube to a temperature within the softening temperature range of the material; pressurizing the tube to conform it with the mold, thus producing a balloon; and removing the balloon from the mold. The method also includes cooling the balloon to within the setting temperature range of the material before removing the balloon from the mold.

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A61L 29/00; **C08K 5/00**; **C08K 5/435**

IPC 8 full level

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Citation (search report)

See references of WO 9836783A1

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