Title (en)

FULLY EMPTIABLE FLEXIBLE TUBE WITH AN AMPLIFIED RETURN EFFECT

Title (de)

VOLLSTÄNDIG ENTLEERBARER FLEXIBLER SCHLAUCH MIT VERSTÄRKTER RÜCKKEHRWIRKUNG

Title (fr)

TUBE SOUPLE, A VIDAGE INTEGRAL ET EFFET RETOUR AMPLIFIE

Publication

EP 1585681 A1 20051019 (FR)

Application

EP 04701983 A 20040114

Priority

- FR 2004000061 W 20040114
- FR 0300820 A 20030124

Abstract (en)

[origin: FR2850363A1] Disposable plastic tube, which completely empties, comprises mixed olefin copolymers. In the transverse plane (T) the mean thickness (E) is 0.30-1.20 mm. It is made of a mixture of n (optionally = 1) olefin copolymers made from C2-C10 monomers. At least one first polymer of the mixture is a polypropylene, and the mixture constituting the wall of the tube has a modulus of flexure at least equal to 500 MPa, in accordance with the standard NF EN ISO 178. The length of the tube along the axis (XX'), between neck (4) end (123) and filling end (121), is 40-170 mm. Mean wall thickness in the transverse plane (T) is equal to the square root of the length corrected by a factor of 0.045-0.065, preferably 0.050-0.060. The ratio (C1/R4) of perimeter (C1) to the radius of connection (R4), is less than 3, preferably 0.5-2. Further details of the tube geometry are provided. The skirt seal closing the filling end has a slight inclination with respect to the axis of about 0.5 degrees, possibly up to 2 degrees. The tube is coated with a barrier layer lacquer. Sectored feed channels may be included.

IPC 1-7

B65D 35/08

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2004074126A1

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