

ABSTRACT

Packaging Strap Coil and Method for Producing the Same,
Packaging Strap Coil Unit and
Packaging Machine Equipped with Strap Coil Reel

The present invention relates to: a packaging strap coil and its production method, wherein the innermost strap end is securely fixed to prevent unwinding thereof and the strap can be smoothly drawn out to the innermost end for strap-packaging of an item; a packaging strap coil unit which prevents deformation of the strap coil; and a packaging machine. The strap coil 11 comprises a number of layers of a resin packaging strap 11a wound helically and corelessly around a hollow 11b defining the axis of the strap coil 11. The strap 11a is made of a thermoplastic resin at least on its external surface. In the strap coil 11, a plurality of perforations 11d are pierced in the vicinity of an innermost end of the strap 11a through to a plurality of laminated layers. Each perforation 11d provides a melt-bonded area 11e along its periphery to bond the laminated layers of the strap 11a together.

(Fig. 2)