

RAPID LEAKAGE-PROOF STRUCTURE FOR TUBES

Abstract

A rapid leakage-proof structure for tubes covers an outer surface
5 of a tube and contains an inner soft layer with a first hardness
attached to the outer surface of the tube, an outer hard layer with a
second hardness covering a surface at one side of the inner soft
layer that is far away from the tube, and a clamping assembly. The
first hardness is smaller than 60 degrees at Shore Hardness, and
10 the second hardness is greater than the first hardness. The
clamping assembly is disposed at one side of the outer hard layer
that is far away from the tube to clamp the tube via the outer hard
layer and inner soft layer. Thereby, the inner soft layer covers the
surface of the tube to obtain high sealing, and the outer hard layer
15 then covers the inner soft layer to prevent leakage caused by
insufficient sealing pressure.

Figure 2