

ABSTRACT

SEALING PIPE JOINT MADE OF RESIN

The present disclosure discloses a sealing pipe joint made of resin including a joint body, an inner ring, and a nut. The inner ring includes a plug head, the joint body includes a slot portion, the plug head is inserted within the slot portion to form a sealing connection. The nut is connected to the joint body to maintain the plug head and the slot portion in a plugged state, the nut presses against the inner ring. In a free state, a radius thickness of the plug head is linearly changed along the axis of the inner ring, and in plugged state, the slot portion is elastically deformed and a radius changing rate of the slot portion is less than that of the plug head when the plug head is in the free state.

FIG. 2