

Seal

Abstract

- 5 The present disclosure relates to seals and sealing arrangements, especially those used in wireline valves. The seal comprises an elastomeric seal body with a sealing surface, a plurality of generally planar inserts embedded within the elastomeric seal body adjacent the sealing surface, and having elastomeric seal material disposed between the plurality of generally planar
- 10 inserts. The generally planar inserts may have a slightly wedge shape and may be embedded into the elastomeric seal body in a generally fan-shaped orientation. They may be orientated such that upon contacting a substantially tubular shaped body to be sealed around and the subsequent deformation of the seal body about said substantially tubular shaped body, the plurality of
- 15 generally planar inserts become orientated such that they extend radially from the substantially tubular shaped body.

Fig. 1.