FIBRES, TAPES, MONOFILAMENTS BASED ON ETHYLENE COPOLYMERS WITH ALFA-OLEFINS

ABSTRACT

The present invention relates to fibres, tapes, monofilaments and the like comprising copolymers of ethylene and α-olefins which exhibit improved tensile properties expressed as a balance between tenacity and elongation at break. The copolymers may preferable be prepared by use of metallocene catalyst systems in particluair by use of monocyclopenadienyl catalyst systems.

The fibres, tapes, monofilaments of the invention are particularly suitable for end-use applications including artificial grass, woven and nonwoven fabrics, cordages, ropes, netting and flexible intermediate bulk containers.

(Figure 1)