

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

ABSTRACT

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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 preferably be prepared by use of metallocene catalyst systems in particular by use of monocyclopentadienyl catalyst systems.

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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.

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(Figure 1)