



Geosynthetics Interest Group of South Africa

Established 1994

Geotextiles

A planar, permeable, polymeric (synthetic or natural) textile material, which may be nonwoven, knitted or woven, used in contact with soil and/or other materials in geotechnical and civil engineering application.

Woven Geotextile

Geotextile produced by interlacing, usually at right angles, two or more sets of yarns, filaments, tapes or other elements.

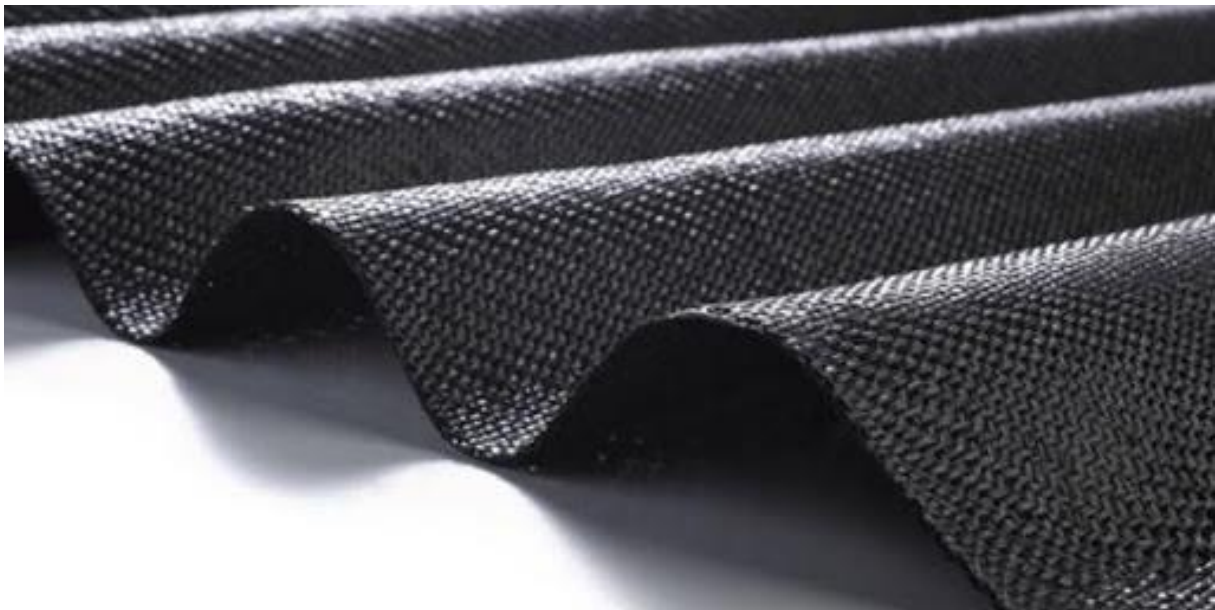


Image: Woven Geotextiles

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Nonwoven Geotextile

Geotextile made of directionally or randomly orientated fibres, filaments or other elements, mechanically and/or thermally and/or chemically bonded.

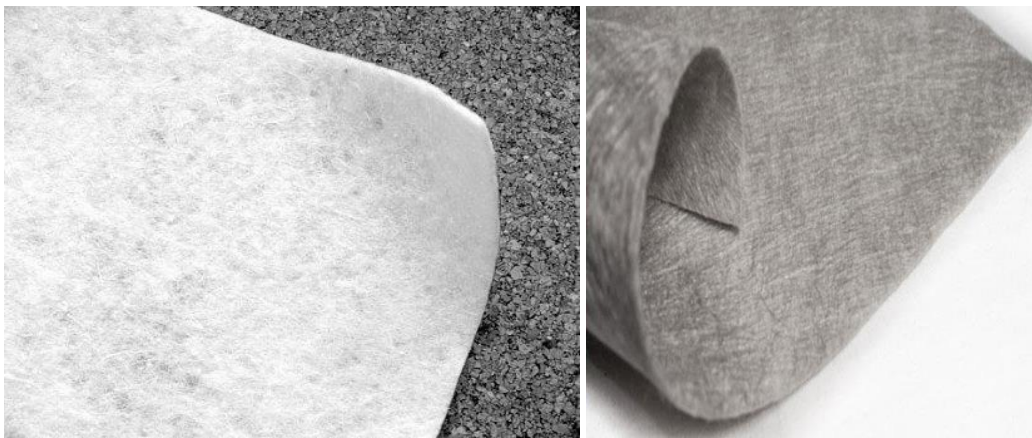


Image: Nonwoven Geotextiles

Knitted Geotextile

Geotextile produced by interlooping one or more yarns, filaments or other elements.

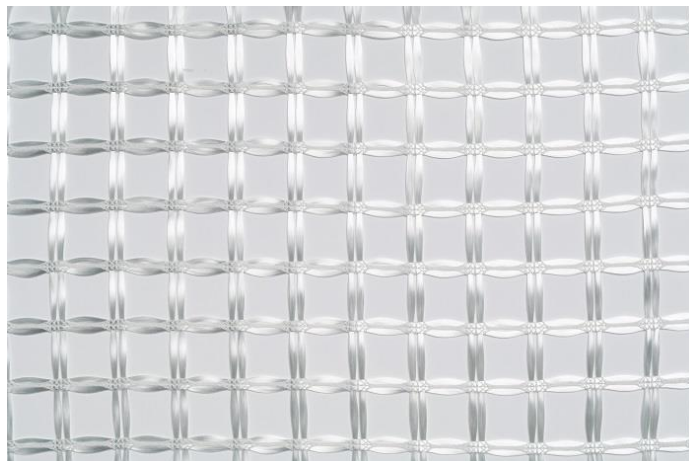


Image: Knitted Geotextiles

The above definitions are stated within the South African context.

Refer to ISO 10318:2018: Geosynthetics – Terms and definitions for formal definitions.