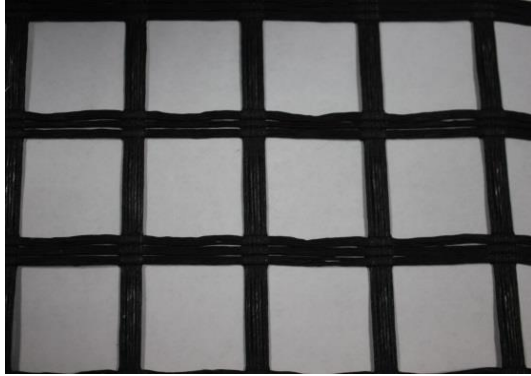


Technical Data Sheet

PS Poliset geogrids

Reinforcement of earth structures



POLISSET geogrid is a polymer grid formed by two systems of polymer yarns interknit with a third one, a knitting yarn, and impregnated with a polymer binding agent.

Typical application: polyester -based geogrids are used to ensure stability, steadiness and required load-carrying capability of road structures, as well as to prevent ingress of coarse-fractioned materials to underlayers when constructing permanent and temporary roads, including those on weak base.

Physical and mechanical properties

Property	Unit	PS 40/40	PS 50/50	PS 100/100
Surface weight	g/m ²	≥150	≥200	≥400
Size of a square mesh side	mm, ±10%		20x20 - 50x50	
Tensile strength				
longitudinal	kN/m	≥40	≥50	≥100
transverse	kN/m	≥40	≥50	≥100
Longitudinal elongation at maximum load	%	≤13	≤13	≤13
Transverse elongation at maximum load	%	≤13	≤13	≤13
Standard roll size				
width	m		not more than 5	
length	m		50/75/100	

Manufacture of the material with other physical and mechanical properties is accepted upon agreeing about with a consumer.

Advantages: the grids are manufactured of high-strength corrosion-resistant polyester yarns and used for reinforcement of road dressing in touch with coarse-fractioned (inert) materials.

Regulatory documents:

- technical specifications TU 2290-017-00205009-2010
- CE "Factory production control"

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