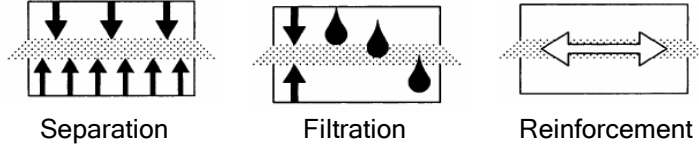


ISGT 40 x 40

Functions:



Application Areas:

Construction of roads and other trafficked areas		EN 13249	F, R, F+S, R+S, F+R, F+R+S
Construction of railways		EN 13250	F, R, F+S, R+S, F+R, F+R+S
Earthworks, foundations and retaining structures		EN 13251	F, R, F+S, R+S, F+R, F+R+S
Erosion control works		EN 13253	F+R, F+S, R+S, F+R+S
Construction of reservoirs, dams and canals		EN 13254	F, R, F+S, R+S, F+R, F+R+S
Construction canals		EN 13255	F, R, F+S, R+S, F+R, F+R+S
Solid waste disposals projects		EN 13257	F, R, F+S, R+S, F+R, F+R+S
Liquid waste containment projects		EN 13265	F, R, F+R

Technical Properties:

Mechanical Properties				Values	Tolerances
Tensile Strength	MD	EN-ISO 10319	kN/m	40	-3
	CD			40	-3
Elongation	MD	EN-ISO 10319	%	20.7	± 1.7
	CD			7.4	± 0.4
Dynamic Perforation		EN-ISO 13433	mm	8.6	+1.5
Static Puncture (CBR)		EN-ISO 12236	kN	5.1	-0.3
Hydraulic Properties					
Porometry, O ₉₀		EN-ISO 12956	µm	140	± 25
Water Permeability		EN-ISO 11058	m/s	9.6x10 ⁻³	-2.5x10 ⁻³
Durability					
Predicted to be durable for minimum of 25 years in natural soils with 4<pH<9 and soil temperature<25°C (ENV ISO 13438)					
To be covered within 30 days after installation (EN 12224).					

Physical Properties				
Width		m	5.2	± 0.01
Weight	EN 965	g/m ²	181	± 7%
Thickness (under 2 kPa)	EN-ISO 9863-1	mm	0.7	± 0.045
Packaging				
Roll Width		m	1.3 / 2.6 / 3.9 / 5.2	
Roll Length		m	100 - 200	± 5%

* The property values listed above are subject to change without any notice.