



Tropic Construction Solution

3 Washington, West Coast Berbice, Guyana, South America

Tel: 592-628-4077 or 592-684-7220

Email: tropicconstruction.gy@gmail.com

Website: www.tcsqt.com

SG 80/80 POLYPROPYLENE WOVEN GEOTEXTILES

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Polymer	Density	Melting Point	Construction
100% Polypropylene	0.91 KG/Dm3	165 C	Tapes

Properties

Mechanical Properties	Standard	Performance	Tolerance
Tensile Strength - MD	EN ISO 10319	80 KN/m	-10.4 KN/m
Tensile Strength- CMD	EN ISO 10319	80 kN/m	-10.4kN/m
Elongation at maximum load - MD	EN ISO 10319	15%	+/-3.5%
Elongation at maximum load - CMD	EN ISO 10319	10%	+/-2.3%
Static puncture resistance (CBR)	EN ISO 12236	9kN	-1.8kN
Dynamic perforation resistance (cone drop)	EN ISO 13433	7mm	+1.5mm

Hydraulic Properties	Standard	Performance	Tolerance
Water permeability normal to the plane (vh50)	EN ISO 11058	101/m ² s	-31/m ² s
Waterflow in the plane, @20 kPa	EN ISO 12958	-	-
Characterises opening size (O90)	EN ISO 12956	230µm	+/-69µm

Physical Properties	Standard	Performance	Tolerance
Thickness under 2 kPa	EN ISO 9863-1	1.2mm	+/-0.24mm
Weight	EN ISO 9864	365 g/m ²	+/-37 g/m ²
Length (+/- 1%) x width (+/- 1%)		100*5.20m	
Roll diameter (+/- 10%)			

Distributors of Geotextile Fabrics, Geotextile Tubes, Gabion Mattress & Agriculture Products.

Tropic Construction Solution



3 Washington, West Coast Berbice, Guyana, South America

Tel: 592-628-4077 or 592-684-7220

Email: tropicconstruction.gy@gmail.com

Website: www.tcsqt.com

TECHNICAL DATA SHEET PAGE 2

PRODUCT DESCRIPTION

Durability	Standard	Performance
Predicted minimal durability in years in natural soils with $4 < \text{pH} < 9$ and soil temperatures $< 25^{\circ}\text{C}$	Applicable application standard: Annex B	100
Maximum allowed time between installation and covering of the geosynthetic	EN 12224	2 Weeks