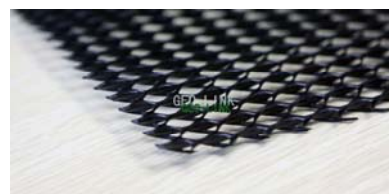


G-Net TP Range Products Polyethylene Tri-planar Geonet

Technical Data Sheet

GEO-LINK TP Geonet Dec.11th, 2011

TP Geonet is tri-planar structure, polyethylene rope as material made by heat treatment. Its' mainly function is to prevent soil erosion and reinforcement for slope soil. According to customer requirements, could composite geotextile or other material.



Physical Properties

Properties	Units	Standard
Structure		3 ribs
Polymer		HDPE
U.V. Stabilizer		Carbon black
Foaming Agent		NO

Hydraulic Transmissivity[ASTM D4716]

Properties	Standard	Units	G750	G1000	G1300
Thickness	[ASTM D5199]	mm	5.0	6.0	7.0
Hydraulic Flow Rate					
i=1 $\sigma_v = 20$ KPa	[ASTM D4716]	l/m/s	1.32	1.44	i=1
i=1 $\sigma_v = 100$ KPa	[ASTM D4716]	l/m/s	1.08	1.23	i=1
i=1 $\sigma_v = 200$ KPa	[ASTM D4716]	l/m/s	0.96	1.08	i=1
i=1 $\sigma_v = 500$ KPa	[ASTM D4716]	l/m/s	0.87	0.92	i=1
Tensile Strength	[ASTM D4595]	KN/m	19.0	23.0	26.0
Elongation	[ASTM D4595]	%	40	50	50

Geotextile Characteristics	Standard	Units	G750	G1000	G1300
Mass per Unit Weight		g/m ²	110-130	110-130	110-130
Opening Size	[ASTM D4751]	mm	0.07	0.07	0.07

Product Code Drainage	Pressure (KPa)	Residual Thickness at 10000 hours(1 year)(%)	Residual Thickness at 30years(extrapolated)(%)
G750	100	87.50	86.20
G750	200	81.60	81.30
G750	500	70.70	68.10
G1300	200	90.00	89.50
G1300	500	82.00	78.50

Above values are on an average basis, the data was obtained from in-house test laboratory, National test institutes and international test institutes. GEO-LINK keeps the right of data changes and the final explanation right. Liability Exclusion: This publication should not be construed as engineering advice. While information contained here is accurate to the best of our knowledge, GEO-LINK does not warrant its accuracy or completeness. The only warranty made by GEO-LINK for its products is set forth in our Product Test Report accompanies our shipment of the products, or such other written warranty as may be agreed by GEO-LINK and customer. GEO-LINK specifically disclaims all other warranties, express or implied, including without agreed by GEO-LINK and customer. GEO-LINK specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or rising from provision of samples, a course of dealing or usage of trade.

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