

GEOKLAY 310



GEOSYNTHETIC CLAY LINER USE AS A BARRIER IN SUBGRADE / BELOW GRADE

Technical Specifications

- GEOKLAY 310 is a reinforced GCL consisting of a layer of sodium Bentonite sandwiched between Nonwoven & Woven geotextile which are needle-punched together to provide internal reinforcement. The internal reinforcement minimizes clay shifting, allowing the GEOKLAY 310 to maintain consistent low permeability and maximum performance under a wide variety of practical conditions.



Material Properties	Test Method	Specifications
Index Flux	ASTM D 5887	1.0X10 ⁻⁷ (m ³ /m ²)/s
Hydraulic Conductivity	ASTM D 5887	5.0X10 ⁻⁸ cm/sec
Bentonite Mass/ Unit Area (MARV)	ASTM D 5993	Min.4.8 Kgs/m ²
Tensile Strength (MARV)	ASTM D 6768	8.00 kN/m
Puncture Resistance (CBR)	EN ISO 12236	Min. 1.8 KN
Peel Strength (MARV)	ASTMD6496	Min.400N/m
Thickness	EN ISO9863-1	5.50-6.00 mm
Internal Shear strength	ASTM D 6243	24KPa@200pfs
Roll Length		40.0 mtr
Roll Width		5.15mtr
BENTONITE		
Free Swell	ASTM D 5890	Min 25 ml/2g
Fluid Loss	ASTM D 5891	Max 18 ml

NOTE : Possible tolerance level is ± 10 in above specification.



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