

GEOKLAY 350



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

Technical Specifications

- GEOKLAY 350 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 350 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 ⁻⁸ (m ³ /m ²)/s
Hydraulic Conductivity	ASTM D 5887	5.0X10 ⁻⁹ cm/sec
Bentonite Mass/ Unit Area (MARV)	ASTM D 5993	Min.4.0 Kg/m ²
Tensile Strength (MARV)	ASTM D 6768	8.00 kN/m
Peel Strength (MARV)	ASTM D 6496	Min.400 N/m
Thickness	EN ISO9863-1	Min 6 mm
Internal Shear strength	ASTM D 6243	24KPa@200pfs
Roll Length		Max 40 mtr
Roll Width		Max 5.15 mtr
BENTONITE		
Free Swell	ASTM D 5890	Min 25 ml/2g
Fluid Loss	ASTM D 5891	Max 18 ml
GEOTEXTILE		
Non Woven Mass/ Unit area	EN ISO 9864	180 - 200 g/m ²
Woven Mass / Unit area	EN ISO 9864	100 - 140 g/m ²

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



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