

ECOKLAY SPL 40

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

Technical Specifications

- ECOKLAY SPL40 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 ECOKLAY SPL40 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	1.0×10^{-8} (m ³ /m ²)/s
Hydraulic Conductivity	ASTM D 5887	5.0×10^{-9} cm/sec
Bentonite Mass/ Unit Area (MARV)	ASTM D 5993	Min.4.50 Kgs/m ²
Tensile Strength (MARV)	ASTM D 6768	12.00 kN/m
Puncture Resistance (CBR)	EN ISO 12236	1.80 KN
Peel Strength (MARV)	ASTMD6496	Min.650N/m
Thickness	EN ISO9863-1	6.0 mm
Internal Shear strength	ASTM D 6243	24KPa@200pfs
Roll Length	Max 40.00 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	200 - 240 g/m ²
Woven Mass / Unit area	EN ISO 9864	110 - 140 g/m ²

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



ASHAPURA GROUP OF INDUSTRIES
 278, Jeeven Udyog Building, Dr D. N. Road, Fort, Mumbai, India - 400 001
 +91-22-6665 1700 | gcl@ashapura.com | www.ashapura.com