

EcoKlay Liner – SPL-40

GEOSYNTHETIC CLAY LINER: Technical Specifications



EcoKlay Liner SPL-40 is a reinforced GCL consisting of a layer of sodium bentonite sandwiched between Non woven & Woven geotextile which are needle-punched together to provide internal reinforcement. The internal reinforcement minimizes clay shifting, allowing the SPL - 40 to maintain consistent low permeability and maximum performance under a wide variety of practical conditions.



| Material Properties | Test Method | Typical value | Test Frequency |
|-----------------------------------|--------------|---|---------------------|
| Index Flux | ASTM D 5887 | 5.0X10-09 (m ³ /m ²)/s | Every week |
| Hydraulic Conductivity | ASTM D 5887 | 2.0X10-11 cm/sec | Every week |
| Bentonite Mass/ Unit Area (MARV) | ASTM D 5993 | 4.00 Kgs/m ² | 2500 m ² |
| Tensile Strength (MARV) | ASTM D 6768 | 8.0 - 12 kN/m | 2500 m ² |
| Puncture Resistance (CBR) | EN ISO 12236 | 2.0 KN | 2500 m ² |
| Peel Strength (MARV) | ASTM D 6496 | 2100 N/m | 2500 m ² |
| Thickness | EN ISO9863-1 | 6.0 mm | 2500 m ² |
| Internal Shear strength | ASTM D 6243 | 24KPa@200pfs | Every week |
| Roll Length | | 40.0 m | Continuous |
| Roll Width | | 5.0m | Continuous |
| BENTONITE | | | |
| Free Swell | ASTM D 5890 | Min 25 ml/2g | 2500 m ² |
| Fluid Loss | ASTM D 5891 | Max 18 ml | 2500 m ² |
| GEOTEXTILE | | | |
| Non Woven Mass/ Unit area | EN ISO 9864 | 220 g/m ² | |
| Woven Mass / Unit area | EN ISO 9864 | 110 g/m ² | |

EcoKlay Liner - SPL 40 is produced in Ashapura's State of Art manufacturing facility in Kutch , Gujarat, India where Ashapura's own selected Bentonite clay's are used for manufacturing of GCL .

Value Beyond Mining

Ashapura Group of Industries
Jeevan Udyog Building, 3rd Floor, 278, D N Road, Fort,
Mumbai - 400 001, INDIA.
visit us at www.ashapura.com