

OBTAINING SAMPLES OF GCLs

ASTM Committee D35 on Geosynthetics has passed *D6072 Standard Guide to Obtaining Samples of Geosynthetic Clay Liners*. This guide provides accepted procedures for obtaining samples of geosynthetic clay liners (GCLs) for the purpose of laboratory testing. It applies to samples of GCLs obtained at the project site or at the production facility.

The key elements of the standard guide are as follows:

- rolls must be stored and handled in accordance with ASTM D5888 to protect the GCL from precipitation, standing water, ultraviolet light, chemicals, high temperatures, excessive pressure and equipment damage,
- select the rolls to be sampled,
- inspect the packaging for damage,
- the sample shall be cut beginning at a point no less than 1 m (3 feet) from the exposed end of the roll,
- obtain sufficient quantity for several sets of representative test specimens,
- the GCL sample shall be rolled around a core at least 75 mm (3 inches) in diameter, in the same direction as the cut,
- wide strapping tape shall be wound around the sample in at least two places to secure the loose end,
- at least two layers of plastic sheeting shall be used to wrap the GCL sample for shipment, the outer layer being at least 0.15 mm (6 mils).

CETCO's position is that only GCL samples obtained in accordance with this practice will be considered valid for conformance quality assurance testing of the manufactured GCL.

The standard guide is published in the 1998 ASTM Volume 04.09. For further information contact, ASTM Publications @ (610) 832-9500.