

**1733- GEOMEMBRANE**

**SECTION 1733**

**GEOMEMBRANE**

**1733.1 DESCRIPTION**

This specification covers the requirements for geomembrane installed as an impermeable barrier.

**1733.2 MATERIALS**

Provide either a polypropylene geomembrane or a polyethylene geomembrane that has the minimum, minimum average roll values (MARV) shown in **TABLE 1733-1**.

<b>TABLE 1733-1: GEOMEMBRANE MINIMUM AVERAGE ROLL VALUES</b>		
<b>Type of Geomembrane: Property</b>	<b>Test Method</b>	<b>Requirement</b>
<b>Polypropylene:</b>		
Thickness		30 mils
Puncture Resistance	ASTM D 4833	40 lbs.
Tensile Strength	ASTM D 638	78 lbs./in.
<b>Polyethylene:</b>		
Thickness		30 mils
Tensile Yield Strength	ASTM D 638	78 lbs./in.
Puncture Resistance	FTMS 101C, Method 2065	45 lbs.
Tear Resistance	ASTM D 1004	24 lbs.

Provide cushioning material (sand) that complies with the requirements of FA-A or FA-B, **DIVISION 1100**.

**1733.3 TEST METHODS**

Test in accordance with the requirements stated in **subsection 1733.2**.

**1733.4 PREQUALIFICATION**

None required.

**1733.5 BASIS OF ACCEPTANCE**

Receipt and approval of a Type D certification as specified in **DIVISION 2600**.