

CGS MEMBRANE

Our Geomembrane Smooth [GS] is an HDPE sheet material with waterproof and long-lasting characteristics. Often utilised as a water flow controller for various projects, structures, and systems.

Benefit From Geomembrane Smooth:

- ✓ Cost effective
- ✓ Good chemical resistance
- ✓ Highly impermeable coating
- ✓ UV resistance
- ✓ Long term performance
- ✓ Flexible and strong material
- ✓ Fast and expansive installation

Application of Geomembrane Smooth:

- ✓ Landfill lining
- ✓ Industrial waste disposal
- ✓ Impermeable layer for aquaculture ponds
- ✓ As a control for soil water content
- ✓ Irrigation and drainage canals
- ✓ Impermeable layer for artificial lakes

Property	Test Method	Units	GS050	GS075	GS100	GS150
Specification						
Material			HDPE	HDPE	HDPE	HDPE
Thickness	ASTM D5199	mm	0.5	0.75	1.00	1.50
Density	ASTM D1505	g/cm ³	0.94	0.94	0.94	0.94
Tear Resistance	ASTM D1004	N	73	100	138	210
Puncture Resistance	ASTM D4833	N	176	264	320	480
Carbon Black Content	ASTM D1603	%	2	2	2	2
Tensile Property						
Strength at Yield	ASTM D6693	kN/m	9	11	16	25
Strength at Break	ASTM D6693	kN/m	14	21	28	43
Elongation at Yield	ASTM D6693	%	13	13	13	13
Elongation at Break	ASTM D6693	%	700	700	700	700
Oxidate Induction Time	ASTM D3895	min	100	100	100	100
Dimensional Stability	ASTM D1204	%	±1	±1	±1	±1