

## TMP GEOSYNTHETICS - Smooth LDPE Geomembrane

### Introduction

- GM SL series of geomembranes is manufactured from Low Density Polyethylene resins. The surfaces of both sides are smooth.
- The products are manufactured by the technology of coextrusion-blown triple layer.

### Performance

- Excellent physical and mechanical performance, high tearing resistance; good deformation adaptability, high puncture resistance;
- High aging resistance, high UV resistance, anti-acid & alkali;
- Excellent low & high temperature resistance, innocuous, long life span;
- Perfect water proof performance, seepage and humidity resistance.

### Applications

- The public works seepage projects of culvert, canal, reservoir, gardens and building etc.

### Specifications

Properties	Test Method	GM SLL050	GM SLL075	GM SLL100	GM SLL125
■ Thickness	ASTM D5199	0.5 mm	0.75 mm	1.00 mm	1.25 mm
■ Density	ASTM D1505	0.939 g/cc	0.939 g/cc	0.939 g/cc	0.939 g/cc

### Structural Integrity

■ Break strength	ASTM D6693	9.5 kN/m	14 kN/m	19 kN/m	23 kN/m
■ Break elongation	Type IV	560%	560%	560%	560%
■ Tear Resistance	ASTM D1004	45 N	63 N	90 N	108 N
■ Puncture Resistance	ASTM D4833	84 N	133 N	175 N	217 N
■ Carbon Black Content	ASTM D1603	2.0%	2.0%	2.0%	2.0%
■ Carbon Black Dispersion	ASTM D5596	Note (1)	Note (1)	Note (1)	Note (1)
■ Oxidative Induction Time (OIT)	ASTM D3895	60 min	60 min	60 min	60 min

### Dimensions

■ Roll Width	-	6	6	6	6
■ Roll Length	-	420	280	210	168

(1) Carbon black dispersion (only near spherical agglomerates) for 10 different views: 9 in Categories 1 or 2 and 1 in Category 3

## TMP GEOSYNTHETICS - Smooth LDPE Geomembrane

Properties	Test Method	GM SLL150	GM SLL200	GM SLL250	GM SLL300
■ Thickness	ASTM D5199	1.50 mm	2.00 mm	2.50 mm	3.00 mm
■ Density	ASTM D1505	0.939 g/cc	0.939 g/cc	0.939 g/cc	0.939 g/cc
<b>Structural Integrity</b>					
■ Break strength	ASTM D6693	28 kN/m	37 kN/m	47 kN/m	56 kN/m
■ Break elongation	Type IV	560%	560%	560%	560%
■ Tear Resistance	ASTM D1004	135 N	180 N	225 N	270 N
■ Puncture Resistance	ASTM D4833	259 N	350 N	434 N	525 N
■ Carbon Black Content	ASTM D1603	2.0%	2.0%	2.0%	2.0%
■ Carbon Black Dispersion	ASTM D5596	Note (1)	Note (1)	Note (1)	Note (1)
■ Oxidative Induction Time (OIT)	ASTM D3895	60 min	60 min	60 min	60 min
<b>Dimensions</b>					
■ Roll Width	-	6	6	6	6
■ Roll Length	-	140	105	84	70

(1) Carbon black dispersion (only near spherical agglomerates) for 10 different views: 9 in Categories 1 or 2 and 1 in Category 3