

GM 3000 - GEOMEMBRANE

GM 3000 is manufactured using 100% recycled resin, helping you achieve your sustainability goals while ensuring dependable performance. It's also an economical lining material, crafted from blended and reprocessed polyethylene resins selected for optimal durability at the lowest cost.

November 2025		GM 3000				
Style	ASTM	GM 3020 Smooth ¹	GM 3030 Smooth ²	GM 3040 Smooth ³	GM 3130 Textured ⁴	GM 3140 Textured ⁵
Thickness (Nominal)	D5199	20 mil 0.5 mm	30 mil 0.75 mm	40 mil 1.0 mm	30 mil 0.75 mm	40 mil 1.0 mm
Tensile Strength at Break	D6693	74 ppi 13 N/mm	114 ppi 20 N/mm	148 ppi 26 N/mm	45 ppi 8 N/mm	60 ppi 10 N/mm
Elongation	D6693	500%	500%	500%	100%	100%
Tear Resistance	D1004	11 lbs 49 N	16 lbs 71 N	22 lbs 98 N	14 lbs 62 N	20 lbs 89 N
Puncture Resistance	D4833	30 lbs 130 N	45 lbs 200 N	60 lbs 270 N	40 lbs 178 N	55 lbs 245 N
Low Temp Impact	D1790	-40°F -40°C	-40°F -40°C	-40°F -40°C	-40°F -40°C	-40°F -40°C
Dimensional Stability	D1204 Max Chng	<2.0%	<2.0%	<2.0%	<2.0%	<2.0%

² In Stock. Please call your Sales Representative for pricing and availability.

^{1, 3, 4, 5 and 6} Special Order. Please call Layfield Customer Service for more information.

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GM 3000 Shop Seam Strengths

Style	ASTM D6392	GM 3020 Smooth	GM 3030 Smooth	GM 3040 Smooth	GM 3130 Textured	GM 3140 Textured
Heat Bonded Seam Strength	25 mm (1") Strip	25 ppi 4.4 N/mm	36 ppi 6.3 N/mm	48 ppi 8.4 N/mm	36 ppi 6.3 N/mm	48 ppi 8.4 N/mm
Peel Adhesion Strength (Wedge Welded)	25 mm (1") Strip	FTB 18 ppi 3.2 N/mm	FTB 29 ppi 5.1 N/mm	FTB 39 ppi 6.8 N/mm	FTB 29 ppi 5.1 N/mm	FTB 39 ppi 6.8 N/mm

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GM 3000 Field Seam Strengths

Style	ASTM D6392	GM 3020 Smooth	GM 3030 Smooth	GM 3040 Smooth	GM 3130 Textured	GM 3140 Textured
Heat Bonded Seam Strength	25 mm (1") Strip	FTB 22 ppi 3.9 N/mm	FTB 29 ppi 5.1 N/mm	FTB 39 ppi 6.8 N/mm	FTB 29 ppi 5.1 N/mm	FTB 39 ppi 6.8 N/mm
Peel Adhesion Strength (Wedge Welded)	25 mm (1") Strip	FTB 19 ppi 3.3 N/mm	FTB 25 ppi 4.4 N/mm	FTB 33 ppi 5.8 N/mm	FTB 25 ppi 4.4 N/mm	FTB 33 ppi 5.8 N/mm

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