

EL 1000 TEXTURED GEOMEMBRANES

EL 1000 has been the trusted geomembrane used in hydraulic fracturing operations for many years. Its unique features, such as the immediately recognizable grey skin and high level of flexibility, have made this the go-to product in the industry. We designed and continue to manufacture this geomembrane to bring a balance of value and reliability that has made it a staple in our industry.

Material Properties	November 2025		EL 1000 Textured Geomembranes	
	Rev	ASTM	EL 1130 Textured	EL 1140 Textured
	Thickness	D5994	28.5 mil 0.72 mm	38 mil 0.97 mm
	Asperity Height	D7466	10 mil 0.25 mm	10 mil 0.25 mm
	Density (typical)	D792	0.93 g/ml	0.93 g/ml
	Tensile Strength at Break	D6693	45 ppi 8 N/mm	60 ppi 11 N/mm
	Elongation at Break	D6693	250%	250%
	Tear Resistance	D1004	16 lbs 70 N	22 lbs 100 N
	Puncture Resistance	D4833	33 lbs 150 N	44 lbs 200 N
	Carbon Black Content	D6370	≥ 2.0%	≥ 2.0%
	Carbon Black Dispersion	D5596	Cat 1 or 2	Cat 1 or 12
Low Temperature Impact Resistance	D746	-40°F -40°C	-40°F -40°C	

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November 2025

EL 1000 Textured Shop Seam Strengths

Style	ASTM D6392	EL 1130 Textured	EL 1140 Textured
Heat Bonded Seam Strength	25.4 mm (1") Strip	45 ppi 7.7 N/mm	60 ppi 10.3 N/mm
Peel Adhesion Strength (Wedge Welded)	25.4 mm (1") Strip	38 ppi 6.7 N/mm	50 ppi 8.7 N/mm

November 2025

EL 1000 Field Seam Strengths

Style	ASTM D6392	EL 1130 Textured	EL 1140 Textured
Heat Bonded Seam Strength	25.4 mm (1") Strip	45 ppi 7.7 N/mm	60 ppi 10.3 N/mm
Peel Adhesion Strength (Wedge Welded)	25.4 mm (1") Strip	34 ppi 5.9 N/mm	44 ppi 7.7 N/mm

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