



■ Carthage 8%™

Carthage 8% is a woven filtration geotextile made of high-tenacity, monofilament polypropylene yarns which are woven into a stable network such that they retain their relative position. Carthage 8% is part of the [Carthage % Open Area Series](#) of woven monofilament filtration geotextiles, is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
<input type="checkbox"/> Mechanical			
Grab Tensile Strength	ASTM D 4632	1.56 x 0.89 kN	350 x 200 lbs
Grab Tensile Elongation		15%	
Trapezoidal Tear	ASTM D 4533	0.445 x 0.31 kN	100 x 70 lbs
CBR Puncture	ASTM D 6241	3.56 kN	800 lbs
<input type="checkbox"/> Endurance			
UV Resistance	ASTM D 4355	90% @ 500 hrs	
<input type="checkbox"/> Hydraulics / Filtration			
Permittivity ⁽¹⁾	ASTM D 4491	0.50 sec ⁻¹	
Water Flow Rate ⁽¹⁾		2445 lpm/m ²	60 gpm/ft ²
Percent Open Area	CW-02215	6-8%	
Apparent Opening Size (AOS) ^{(1) (2)}	ASTM D 4751	0.425 mm	40 US Std. Sieve
<input type="checkbox"/> Physical			
Standard Roll Sizes / Packaging / Weight (Custom fabrication and packaging are available.)	Measured (Typical)	1.83 m x 91.44 m 167.2 m ² 38.55 kg	6.0 ft x 300 ft 200 yd ² 85 lbs
		3.65 m x 91.44 m 334.4 m ² 79.38 kg	12.0 ft x 300 ft 400 yd ² 175 lbs

NOTES: Mullen Burst Strength ASTM D 3786 is no longer recognized by ASTM D35 on Geosynthetics. Puncture Strength ASTM D 4833 is not recognized by AASHTO M 288 and has been replaced with CBR Puncture ASTM D 6241.

- ⁽¹⁾ At the time of manufacturing. Handling, storage and shipping may change these properties.
- ⁽²⁾ AOS, typically referred to as a MARV, is actually reported as a MAXIMUM allowable opening when in English US Sieve units; or as the SMALLEST allowable opening when in Metric units (mm).
 - Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV).
 - The properties reported above are effective 01-01-22 and are subject to change without notice.

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