



PROPERTY	TEST METHOD	MINIMUM AVERAGE ROLE VALUES (MARV)
Wide Width Tensile Strength	ASTM D 4595	>3,900 lbs/ft - MD x >1,700 lbs/ft - TD
Wide Width Test Elongation	ASTM D 4595	<14% - MD x <10% - TD
Grab Tensile Strength	ASTM D 4632	>450 lbs - MD x >200 lbs - TD
CBR Puncture	ASTM D 6241	>1,400 lbs
Trapezoidal Tear	ASTM D 4533	>175 lbs - MD x >70 lbs - TD
Apparent Opening Size	ASTM D 4751	Sieve #70
Water Flow Rate	ASTM D 4491	>25 gpm/sf
UV Stability	ASTM D 4355	>90% strength retained - MD
Permittivity	ASTM D4491	0.32 sec-1
Pore Size - O95	ASTM D6767	155 microns

The below table shows a comparison of 14-gauge wire-backing fence and 12.5 gauge chain-link fence structural characteristics versus SMARTfence 36. The modulus of elasticity is a measure of material stiffness.

STRUCTURAL COMPARISONS BETWEEN WIRE AND CHAIN-LINK BACKING VERSUS SMARTFENCE 36:

	14-Gauge Wire Fence 2"X4" Mesh	12.5 Gauge Chain-Link Fence 2 3/8" Mesh	SMARTfence® 36 (MARV)
Average Breaking Tensile Strength (lb/ft)	710 (Average)	1,930 (Average)	>3,900 (MARV)
Average Modulus of Elasticity (lb/ft)	2,600 lengthwise 19,400 widthwise	9,422 lengthwise 7,600 widthwise	>27,000 lengthwise



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SMARTFENCE 36
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