



MUTUAL INDUSTRIES, INC
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MISF 180 FABRIC

The following are minimum roll values for Mutual MISF 180. It is a woven polypropylene fabric. It contains stabilizers and inhibitors, that make it resistant to deterioration caused by ultraviolet light, heat and soil conditions. Mutual MISF 180 exceeds most State Department of Transportation Specifications and is Listed on the AASHTO M288 approved list.

Grab Tensile Strength	lbs	ASTM D4632	95/93
Grab Tensile Elongation	%	ASTM D4632	20
Mullen Burst Strength	lbs	ASTM D3786	347
Puncture Strength	lbs	ASTM D4833	39
Trapezoidal Tear	lbs	ASTM D4533	33
Apparent Opening	U.S. Std Sieve	ASTM D4751	40
Flow Rate/permittivity	gpm/sq. ft.	ASTM D4491	30
UV Resistance after 500hrs	% Strength Retained	ASTM D4355	80
Gram weight		70 grams	

Mutual Industries Inc. hereby certifies that our MISF 180 fabric meets the above minimum average roll values. The values are a result of testing conducted in on-site laboratories at the time of production.

Quality Assurance Department