



Flex MSE Bag Material ASTM Ratings

This is to certify that Flex MSE Standard Bag Material is a needle-punched nonwoven geotextile composed of new polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. It is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids. Flex MSE Standard Material is manufactured in the United States and complies to ARRA Section 1605. NTPEP No. GTX-2012-01-043.

Please note that all values reflect results at the time of manufacturing and shipment.

Flex MSE Vegetated Wall System
12543 24th Ave
Surrey, BC
CANADA
V4A 2E5
www.FlexMSE.com

Mechanical Property	Test Method	M.A.R.V.	
GRAB TENSILE STRENGTH	ASTM D4632	90 lbs	401 N
ELONGATION	ASTM D4632	50 %	
TRAP TEAR	ASTM D4533	40 lbs	178 N
CBR PUNCTURE	ASTM D6241	250 lbs	1113 N
APPARENT OPENING SIZE	ASTM D4751	#50 Sieve	.3 mm
PERMITTIVITY	ASTM D4491	2.00 SEC-1	
WATER FLOW RATE	ASTM D4491	145 gpm/ft ²	5907 l/min/m ²
UV RESISTANCE @ 1000 HOURS	ASTM 4355*	MD 75 % - XD 94%	
BREAKING FORCE & ELONGATION	ASTM D5035	MD 75 % - XD 94 %	
MASS/UNIT WEIGHT	ASTM D5261	3.7 oz/yd ²	124 g/m ²

***ASTM D4355 tested at 1,000 hours of Peak UV**