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DWG: ST-Geotex

4420TC Geotextile Fabric

Geotextile Fabric 4420TC a nonwoven fabric made up of polypropylene fibers. these fibers form a stable and durable network such that the fibers retain their relative position. The fabric is inert to naturally encountered chemicals, alkalis, acids, and biological degradation. This Fabric conforms to the minimum average property values listed in the following table.

<u>PROPERTY</u>	<u>TEST PROCEDURE</u>	<u>MIN. AVERAGE ROLL VALUES</u>	
		<u>U.S. UNITS</u>	<u>METRIC UNITS</u>
<u>Mechanical</u>			
Tensile Strength	ASTM D-4632	112 lbs	510 N
Elongation At Break	ASTM D-4632	50%	50%
Trapezoidal Tear	ASTM D-4533	49 lbs	210 N
Mullen Burst	ASTM D-3786	210 lbs	1551 Kpa
Puncture Strength	ASTM D-4833	65 lbs	289 N
<u>Hydraulic</u>			
EOS (AOS)	ASTM D-4751	70 US Sieve	.212 mm
Water Permittivity	ASTM D-4491	2.0 sec ²	2.0 sec ²
Water Permeability	ASTM D-9941	.22 cm/sec	.22 cm/sec
Flow Rate	ASTM D-4491	140 gpm/ft ²	5698 lpm/ft ²
<u>Endurance</u>			
U.S. UNITS	ASTM D-4355	70%	70%

