GEOTEX 1601

NON-WOVEN GEOTEXTILE

DESCRIPTION

GEOTEX 1601 is a polypropylene, staple fiber, needlepunched nonwoven Geotextile. The fibers are needled to form a stable network that retains dimensional stability relative to each other. The Geotextile is resistant to ultraviolet degradation and to biological and chemical environments normally found in soils. GEOTEX 1601 conforms to the property values listed below which have been derived from quality control testing.

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE
PHYSICAL		
Mass/Unit Area	ASTM D5261	15.0 oz/yd^2 (509 g/m^2)
Thickness	ASTM D5199	145 mils (3.7 mm)
MECHANICAL		
Grab Tensile Strength	ASTM D4632	380 lbs (1691 N)
Grab Elongation	ASTM D4632	50%
Puncture Strength	ASTM D4833	240 lbs (1068 N)
Mullen Burst	ASTM D3786	750 psi (5170 kPa)
Trapezoidal Tear	ASTM D4533	150 lbs (668 N)
Wide Width Tensile	ASTM D4595	1800 lbs/ft (26.3 kN/m)
ENDURANCE		
UV Resistance @ 500 hrs	ASTM D4355	70%
Chemical Resistance pH Value 2 to 13		Pass
HYDRAULIC		
Apparent Opening Size (AOS)	ASTM D4751	100 US Std. Sieve (0.150 mm)
Permittivity	ASTM D4491	0.70 sec^{-1}
Permeability	ASTM D4491	0.27 cm/sec
Water Flow Rate	ASTM D4491	50 gpm/ft^2 (2037 l/min/m^2)
ROLL SIZES		15 ft x 300 ft (4.6 m x 91.4 m)

FORM: TDS_GEOTEX_1601_AM_EN_202503_V2

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