

**Nonwoven Geotextiles Product Line****4512**

Propex 4512 is a polypropylene nonwoven needle punched fabric. This engineered geotextile is stabilized to resist degradation due to ultraviolet exposure. It is resistant to commonly encountered soil chemicals, mildew and insects, and is non-biodegradable. Polypropylene is stable within a pH range of 2 to 13, making it one of the most stable polymers available for geotextiles today. Equal to 1120N, 275EX, 1201.

Property	Test Method	Minimum Average Roll Value
Unit Weight	ASTM-D-5261	12 oz/yd ²
Grab Tensile	ASTM-D-4632	300 lbs%
Grab Elongation	ASTM-D-4632	50%
Mullen Burst	ASTM-D-3786	600 psi
Puncture	ASTM-D-4833	190 lbs
Trapezoidal Tear	ASTM-D-4533	115 lbs
UV Resistance	ASTM-D-4355	70 % at 500 hrs
AOS(1)	ASTM-D-4751	100 sieve
Permittivity	ASTM-D-4491	0.9 sec-1
Flow Rate	ASTM-D-4491	65 gal/min/ft ²
Coefficient of Permeability	ASTM-D-4491	0.20 cm/sec
Thickness	ASTM-D-5199	95 mils

4547

Propex 4547 is a polypropylene nonwoven needle punched fabric. This engineered geotextile is stabilized to resist degradation due to ultraviolet exposure. It is resistant to commonly encountered soil chemicals, mildew and insects, and is non-biodegradable. Polypropylene is stable within a pH range of 2 to 13, making it one of the most stable polymers available for geotextiles today. Equal to 140N, 14EX, 401.

Property	Test Method	Minimum Average Roll Value
Grab Tensile	ASTM-D-4632	120 lbs
Grab Elongation	ASTM-D-4632	50%
Mullen Burst	ASTM-D-3786	230 psi
Puncture	ASTM-D-4833	70 lbs
Trapezoidal Tear	ASTM-D-4533	50 lbs
UV Resistance	ASTM-D-4355	70 % at 500 hrs
AOS(1)	ASTM-D-4751	70 sieve
Permittivity	ASTM-D-4491	1.8 sec-1
Flow Rate	ASTM-D-4491	130 gal/min/ft ²

**Nonwoven Geotextiles Product Line****4551**

Propex 4551 is a polypropylene nonwoven needle punched fabric. This engineered geotextile is stabilized to resist degradation due to ultraviolet exposure. It is resistant to commonly encountered soil chemicals, mildew and insects, and is non-biodegradable. Polypropylene is stable within a pH range of 2 to 13, making it one of the most stable polymers available for geotextiles today. Equal to 160N, 150EX, 601.

Property	Test Method	Minimum Average Roll Value
Grab Tensile	ASTM-D-4632	160 lbs
Grab Elongation	ASTM-D-4632	50%
Mullen Burst	ASTM-D-3786	310 psi
Puncture	ASTM-D-4833	90 lbs
Trapezoidal Tear	ASTM-D-4533	65 lbs
UV Resistance	ASTM-D-4355	70 % at 500 hrs
AOS(1)	ASTM-D-4751	70 sieve
Permittivity	ASTM-D-4491	1.5 sec-1
Flow Rate	ASTM-D-4491	110 gal/min/ft ²

4553

Propex 4553 is a polypropylene nonwoven needle punched fabric. This engineered geotextile is stabilized to resist degradation due to ultraviolet exposure. It is resistant to commonly encountered soil chemicals, mildew and insects, and is non-biodegradable. Polypropylene is stable within a pH range of 2 to 13, making it one of the most stable polymers available for geotextiles today. Equal to 180N, 180EX, 801.

Property	Test Method	Minimum Average Roll Value
Grab Tensile	ASTM-D-4632	203 lbs
Grab Elongation	ASTM-D-4632	50%
Mullen Burst	ASTM-D-3786	380 psi
Puncture	ASTM-D-4833	120 lbs
Trapezoidal Tear	ASTM-D-4533	80 lbs
UV Resistance	ASTM-D-4355	70 % at 500 hrs
AOS(1)	ASTM-D-4751	100 sieve
Permittivity	ASTM-D-4491	1.5 sec-1
Flow Rate	ASTM-D-4491	110 gal/min/ft ²