

Checkmate GTX150 Comparison

<i>Properties</i>	<i>Test Method</i>	<i>Units</i>	GTX150	SI 501	Propex 4550	Propex 4551
Mass	ASTM D5261	oz/yd2	4.5	4.8	NA	NA
Thickness	ASTM D5199	mils	66	55	NA	NA
Grab Tensile Strength	ASTM D4632	lbs	150	150	135	160
Grab Elongation	ASTM D4632	%	83.6	50	50	50
Puncture Strength	ASTM D4833	lbs	85.7	85	80	90
Mullen Burst	ASTM D3786	psi	226	280	270	310
Trapezoidal Tear	ASTM D4533	lbs	69.4	60	56	65
Apparent Opening Size	ASTM D4751	Sieve	120	70	70	70
Permittivity	ASTM D4491	sec-1	1.44	1.4	1.7	1.5
Water Flow Rate	ASTM D4491	gpm/ft2	108	115	120	120

Checkmate GTX200 Comparison

<i>Properties</i>	<i>Test Method</i>	<i>Units</i>	GTX200	SI 601	Propex 4552	Propex 4553
Mass	ASTM D5261	oz/yd2	6.5	5.0	NA	NA
Thickness	ASTM D5199	mils	97	60	NA	NA
Grab Tensile Strength	ASTM D4632	lbs	187.8	160	180	203
Grab Elongation	ASTM D4632	%	67.6	50	50	50
Puncture Strength	ASTM D4833	lbs	101	85	105	120
Mullen Burst	ASTM D3786	psi	306	280	330	380
Trapezoidal Tear	ASTM D4533	lbs	83	60	75	80
Apparent Opening Size	ASTM D4751	Sieve	120	70	70	70
Permittivity	ASTM D4491	sec-1	1.41	1.3	1.5	1.5
Water Flow Rate	ASTM D4491	gpm/ft2	105.3	110	110	110

Checkmate GTX250 Comparison

<i>Physical</i>	<i>Test Method</i>	<i>Units</i>	GTX250	SI 801	Propex 4553	Propex 4510
Mass	ASTM D5261	oz/yd2	7.5	6.5	NA	10
Thickness	ASTM D5199	mils	120	70	NA	NA
Grab Tensile Strength	ASTM D4632	lbs	241.1	205	203	250
Grab Elongation	ASTM D4632	%	81.5	50	50	50
Puncture Strength	ASTM D4833	lbs	116.8	110	120	155
Mullen Burst	ASTM D3786	psi	351	350	380	520
Trapezoidal Tear	ASTM D4533	lbs	108	85	80	100
Apparent Opening Size	ASTM D4751	Sieve	100	80	70	100
Permittivity	ASTM D4491	sec-1	1.4	1.5	1.5	1.2
Water Flow Rate	ASTM D4491	gpm/ft2	103.8	110	110	85

Checkmate GTX300 Comparison

<i>Physical</i>	<i>Test Method</i>	<i>Units</i>	GTX300	SI1001	Propex4510	Propex4516
Mass	ASTM D5261	oz/yd2	10	8.5	10	16
Thickness	ASTM D5199	mils	144	100	NA	NA
Grab Tensile Strength	ASTM D4632	lbs	345	250	250	390
Grab Elongation	ASTM D4632	%	80	50	50	50
Puncture Strength	ASTM D4833	lbs	153	150	155	240
Mullen Burst	ASTM D3786	psi	467	460	520	750
Trapezoidal Tear	ASTM D4533	lbs	151	100	100	150
Apparent Opening Size	ASTM D4751	Sieve	120	100	100	100
Permittivity	ASTM D4491	sec-1	1.4	1.2	1.2	0.7
Water Flow Rate	ASTM D4491	gpm/ft2	102.9	85	110	50