



SKAPS Industries (Nonwoven Division)  
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**April 8, 2024**

**SDAC Lining Group, LLC**

PO Box 699

Alameda, CA 94501

**PO : 10-001**

Dear Sir/Madam:

This is to certify that SKAPS GE112 is a high quality needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, randomly networked to form a high strength dimensionally stable fabric. SKAPS GE112 resists ultraviolet deterioration, rotting, biological degradation. The fabric is inert to commonly encountered soil chemicals. Polypropylene is stable within a pH range of 2 to 13. SKAPS GE112 conforms to the property values listed below:

PROPERTY	TEST METHOD	UNITS	M.A.R.V. Minimum Average Roll Value
Weight	ASTM D 5261	oz/sy (g/m <sup>2</sup> )	12.00 (407)
Grab Tensile	ASTM D 4632	lbs (kN)	330 (1.47)
Grab Elongation	ASTM D 4632	%	50
Trapezoidal Tear	ASTM D 4533	lbs (kN)	125 (0.56)
CBR Puncture	ASTM D 6241	lbs (kN)	900 (4.00)
Permittivity*	ASTM D 4491	sec <sup>-1</sup>	0.90
AOS*	ASTM D 4751	US Sieve (mm)	100 (0.15)
UV Resistance	ASTM D 4355	%/hrs	70/500

**Notes:**

\* At the time of manufacturing. Handling may change these properties.

**KOUROSH SABZEVARI**

QUALITY CONTROL MANAGER

[www.skaps.com](http://www.skaps.com)

**Product : GE112-180**  
**PO : 10-001**



ROLL # ASTM METHOD UNITS TARGET	ROLL WIDTH INCHES	ROLL LENGTH FEET	WEIGHT D5261 oz/sq yd 12.00	MD TENSILE D4632 lbs. 330	MD ELONG D4632 % 50	XMD TENSILE D4632 lbs 330	XMD ELONG D4632 % 50	MD TRAP D4533 lbs. 125	XMD TRAP D4533 lbs 125	CBR PUNCTURE D6241 lbs. 900	AOS D4751 US Sieve 100	PERMITTIVITY D4491 sec <sup>-1</sup> 0.90
80093.1	180	402	12.24	337	73	350	89	140	151	964	100	1.00
80093.2	180	402	12.24	337	73	350	89	140	151	964	100	1.00
80093.3	180	402	12.24	337	73	350	89	140	151	964	100	1.00
80093.4	180	402	12.24	337	73	350	89	140	151	964	100	1.00
80093.5	180	402	12.70	343	78	359	80	140	151	964	100	1.00
80093.6	180	402	12.70	343	78	359	80	140	151	964	100	1.00
80093.7	180	402	12.70	343	78	359	80	140	151	964	100	1.00
80093.8	180	402	12.70	343	78	359	80	140	151	964	100	1.00
80093.9	180	402	12.70	343	78	359	80	140	151	964	100	1.00
80093.10	180	402	12.48	345	76	355	84	137	146	983	100	1.00
80093.11	180	402	12.48	345	76	355	84	137	146	983	100	1.00
80093.12	180	402	12.48	345	76	355	84	137	146	983	100	1.00
80093.13	180	402	12.48	345	76	355	84	137	146	983	100	1.00
80093.14	180	402	12.48	345	76	355	84	137	146	983	100	1.00
80093.15	180	402	12.30	335	79	358	82	137	146	983	100	1.00
80093.16	180	402	12.30	335	79	358	82	137	146	983	100	1.00
80093.17	180	402	12.30	335	79	358	82	137	146	983	100	1.00
80093.18	180	402	12.30	335	79	358	82	137	146	983	100	1.00
80093.19	180	402	12.30	335	79	358	82	137	146	983	100	1.00
80093.20	180	402	12.61	337	71	361	86	130	155	986	100	1.00
80093.21	180	402	12.61	337	71	361	86	130	155	986	100	1.00
80093.22	180	402	12.61	337	71	361	86	130	155	986	100	1.00
80093.23	180	402	12.61	337	71	361	86	130	155	986	100	1.00
80093.24	180	402	12.61	337	71	361	86	130	155	986	100	1.00

\*All values are MARV.