

**MANUFACTURER:** SKAPS INDUSTRIES**GEOTEXTILE GRADE:** F1 (FILTRATION)**GEOTEXTILE TYPE:** NON-WOVEN NEEDLE PUNCH (NWNP)**TYPE OF POLYMER:** POLYPROPYLENE (PP)

TECHNICAL DATA SHEET

GEOPLUS Q-700

IDENTIFIER Q-700

| DURABILITY PROPERTIES | TEST METHOD | UNITS OF MEASUREMENT | EXPECTED VALUE | TEST FREQUENCY |
|-------------------------------|------------------------------|----------------------|----------------|-----------------------|
| UV RESISTANCE | ASTM D4355 | % | ≥ 50% | ANNUALLY |
| MECHANICAL PROPERTIES | TEST METHOD | UNITS OF MEASUREMENT | EXPECTED VALUE | TEST FREQUENCY |
| TENSILE STRENGTH | ASTM D4632 | Lbs. (kN) | ≥ 99 (0.44) | EVERY 10,000 SQ. MTRS |
| ELONGATION AT BREAK | ASTM D4632 or ASTM D4595 | % | ≥ 15 | EVERY 10,000 SQ. MTRS |
| TEAR STRENGTH | ASTM D4533 | Lbs. (kN) | ≥ 41 (0.18) | EVERY 10,000 SQ. MTRS |
| CBR PUNCTURE | ASTM D6241 | Lbs. (kN) | ≥ 270 (1.20) | EVERY 80,000 SQ. MTRS |
| HYDRAULIC PROPERTIES | TEST METHOD | UNITS OF MEASUREMENT | EXPECTED VALUE | TEST FREQUENCY |
| FOS (FILTRATION OPENING SIZE) | CAN/CGSB-148.1, Method 10-94 | µm | 100 - 250 | SEMI-ANNUALLY |
| PERMITTIVITY | ASTM D4491 | sec ⁻¹ | ≥ 0.05 | SEMI-ANNUALLY |