



## KPW G350

HPBL's KPW G350 is a high strength polypropylene woven geotextile engineered material suitable for stabilization and reinforcement application. KPW G350 offers excellent resistance to all natural acids and alkalis in soil. KPW G350 is ideal for the construction of embankments over soft soils, steepened slopes and offers excellent durability

KPW G350 conforms the property values listed below. KPW performs the internal Manufacturing Quality Control (MQC) tests in accordance with to AASHTO NTPEP guidelines as per M-288 Class for highway applications.

| Properties                               | Test Standard | Unit of Measurement | MARV Values |
|--|---------------|---------------------|-------------|
| <b>Mechanical Properties</b>             |               |                     |             |
| Grab Tensile Strength -MD                | ASTM D-4632   | Lbs                 | 350         |
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| Elongation -MD                           | ASTM D-4632   | %                   | 50          |
| Elongation -CMD                          | ASTM D-4632   | %                   | 50          |
| CBR Puncture                             | ASTM D-6241   | Lbs                 | 1000        |
| Trapezoidal Tear                         | ASTM D-4533   | Lbs                 | 120         |
| <b>Hydraulic Properties</b>              |               |                     |             |
| Permittivity                             | ASTM D-4491   | sec <sup>-1</sup>   | 0.2         |
| Apparent Opening Size (AOS) <sup>3</sup> | ASTM D-4751   | mm                  | 0.300       |
| <b>Endurance</b>                         |               |                     |             |
| UV Resistance at 500 hrs                 | ASTM D-4355   | %                   | 70          |

|                   |                         |
|-------------------|-------------------------|
| <b>Roll Sizes</b> | <b>15.0 ft x 300 ft</b> |
|-------------------|-------------------------|

### Notes:

1. The property values listed above is effective from 21/09/2021 and are subject to change without any notice owing to continual research and development
2. Values shown are based on Minimum average roll values (MARV) and calculated as the average minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any samples taken from quality assurance testing will exceed the value reported. Values represent testing at time of manufacture
3. This data sheet supersedes any other data sheet issued previously