



KPW G250

HPBL's KPW G250 is a high strength polypropylene woven geotextile engineered material suitable for stabilization and reinforcement application. KPW G250 offers excellent resistance to all natural acids and alkalis in soil.

KPW G250 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
Mechanical Properties			
Grab Tensile Strength -MD	ASTM D-4632	Lbs	250
Grab Tensile Strength -CMD	ASTM D-4632	Lbs	250
Elongation -MD	ASTM D-4632	%	15
Elongation -CMD	ASTM D-4632	%	15
CBR Puncture	ASTM D-6241	Lbs	900
Trapezoidal Tear	ASTM D-4533	Lbs	75
Hydraulic Properties			
Permittivity	ASTM D-4491	sec ⁻¹	0.05
Apparent Opening Size (AOS) ³	ASTM D-4751	mm	0.425
Endurance			
UV Resistance at 500 hrs	ASTM D-4355	%	70

Roll Sizes	12.5 ft x 432 ft 15.0 ft x 360 ft 17.5 ft x 309 ft
-------------------	---

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