



## KPW G315

HPBL's KPW G315 is a high strength polypropylene woven geotextile engineered material suitable for stabilization and reinforcement application. KPW G315 offers excellent resistance to all natural acids and alkalis in soil. KPW G315 is ideal for the construction of embankments over soft soils, steepened slopes and offers excellent durability

KPW G315 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	315
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Elongation -MD	ASTM D-4632	%	15
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CBR Puncture	ASTM D-6241	Lbs	900
Trapezoidal Tear	ASTM D-4533	Lbs	113
<b>Hydraulic Properties</b>			
Permittivity	ASTM D-4491	sec <sup>-1</sup>	0.05
Apparent Opening Size (AOS) <sup>3</sup>	ASTM D-4751	mm	0.425
<b>Endurance</b>			
UV Resistance at 500 hrs	ASTM D-4355	%	70

<b>Roll Sizes</b>	<b>12.5 ft x 360 ft</b> <b>15.0 ft x 300 ft</b> <b>17.5 ft x 258 ft</b>
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### 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