

KPW G40

HPBL's KPW G40 is a high strength polypropylene woven geotextile engineered material suitable for stabilization and reinforcement application. Our woven geotextiles are designed to offer you an economical solution and have the right properties to be used as soil separation, pressure distribution, filter, drainage and erosion protection.

KPW G40 conforms the property values listed below. Plastene performs the internal Manufacturing Quality Control (MQC) tests in accordance with EN ISO Standards.

Properties	Test Standard	Unit of Measurement	Values	Tolerances
Tensile Strength (MD) Machine Direction	EN ISO 10319	kN/m	40	-4
Tensile Strength (CMD) Cross Machine Direction	EN ISO 10319	kN/m	40	-4
Elongation at Break (MD) Machine Direction	EN ISO 10319	%	22	+2/-2
Elongation at Break (CMD) Cross Machine Direction	EN ISO 10319	%	19	+2/-2
CBR Puncture Resistance	EN ISO 12236	kN	4.5	-0.45
Dynamic Perforation Resistance – Cone Drop	EN ISO 13433	mm	12	+2
Water Permeability	EN ISO 11058	L/m ² sec	15	-5
Characteristics Opening Size (O90)	EN ISO 12956	µm	250	+80/-80
Weathering Resistance	EN 12224	To be covered within 30 days from the day of installation.		
Resistance Oxidation	EN ISO 13438	Predicted to be durable for 50 years in natural soil with 4<pH<9 and soil temperature <25°C (Annex B.4.2.2, EN ISO 13438)		

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. The above test values are within 95% confidence interval based on internal test results