



GARWARE-WALL ROPES LTD.

GEOSYNTHETICS DIVISION

SPECIFICATIONS OF GARWARE WOVEN MULTIFILAMENT POLYPROPYLENE GEOTEXTILE(CE)

ISO 9001:2008 Company

Garware Woven Polypropylene multifilament Geotextiles, GWF PP series are made of individual multifilament yarns woven together into a stable fabric structure with a superior combination of mechanical and hydraulic properties. These product series has excellent resistance to biological and chemical environments normally found in soils and are stable against short-term exposure to ultraviolet radiation.

GWF PP series is suitable for applications involving the functions of soil reinforcement, separation, stabilization and filtration. These Geotextile is also suitable for fabrication of Geotextile Bags & Tubes used to form water bound structures. It conforms to the property values listed below, which have been derived from tests carried out in our In-house test facility and verified by independent testing carried out at reputed laboratories.

Property	Test Method	Unit	GWF 26-130	GWF 40-200	GWF 40-220	GWF 52-240	GWF 50-300	GWF 80-350	GWF 100-400	GWF 175-175	GWF 200-200
Mass per unit area	EN ISO 9864	gsm	130	200	220	240	300	330	400	800	840
Tensile Strength, Warp/Weft	EN ISO 10319	kN/m	26/26	50/35	50/40	52/40	60/50	80/70	100/80	175/175	200/200
Elongation at Break, Warp/Weft	EN ISO 10319	%	30/25	30/25	30/25	30/25	30/25	30/25	30/25	30/25	30/25
Static Puncture Resistance (CBR)	EN ISO 12236	N	3000	4000	4500	6000	7500	8000	9000	12000	15000
Dynamic Perforation Resistance	EN ISO 13433	mm	15	10	10	10	10	10	10	10	10
Oxidation, Strength retention, Warp/Weft	EN ISO 13438	%	80/80	80/80	80/80	80/80	80/80	80/80	80/80	80/80	80/80
Oxidation, Strain retention, Warp/Weft	EN ISO 13438	%	80/80	80/80	80/80	80/80	80/80	80/80	80/80	80/80	80/80
Characteristic opening size, O ₉₀	EN ISO 12956	microns	100	71	71	125	112	112	100	112	180
Water permeability	EN ISO 11058	l/m ² /sec	10	9	9	25	18	18	10	20	18
Protection efficiency	EN 13719	kN/m ²	21 X 10 ³	22 X 10 ³	23 X 10 ³	22 X 10 ³	24 X 10 ³	25 X 10 ³	27 X 10 ³	32 X 10 ³	36 X 10 ³
Packaging											
Roll Width	-	m	3.2/5	3.2/5	3.2/5	3.2/5	3.2/5	3.2/5	3.2/5	3.2/5	3.2/5
Roll Length	-	m	100	100	100	100	100	100	100	100	100

Remarks :

All above specified values are minimum average roll values (MARV).

Roll length and Roll width may vary as per requirement.

Garware-Wall Ropes Ltd. reserves the right to change the specifications without prior notice.

Regd. Off & Factory:

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