

## High Tenacity PET Woven Geotextile

Property	Unit	PET 100	PET 150	PET 200	PET 300	PET 400	PETD 100	PETD 150	PETD 200	
<b>Mechanical Property</b>										
Characteristic short term tensile strength	MD kN/m	100	150	200	300	400	100	150	200	
Characteristic short term tensile strength ISO 10319, ASTM D4595, GB/T 15788	CD kN/m	50	50	50	50	50	100	150	200	
Strain at short term strength	MD %	14	14	14	14	14	14	14	14	
Partial factor - creep rupture										
at 5 years design life		1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	
at 10 years design life		1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	
at 60 years design life		1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	
at 120 years design life		1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	
Creep limited strength										
at 5 years design life	MD kN/m	78	117	156	234	313	78	117	156	
at 10 years design life	MD kN/m	77	115	154	231	308	77	115	154	
at 60 years design life	MD kN/m	71	107	143	214	286	71	107	143	
at 120 years design life	MD kN/m	69	103	138	207	276	69	103	138	
Partial factor - construction damage										
in clay, silt or sand		1.10	1.10	1.10	1.10	1.10	1.05	1.05	1.05	
Partial factor - environmental effects										
in soil environment pH<11										
not exceeding 10 years design life		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
at 60 years design life		1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	
at 120 years design life		1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	
Long term design strengths										
in clay, silt or sand										
at 5 years design life	MD kN/m	71	107	142	213	284	71	117	142	
at 10 years design life	MD kN/m	70	105	140	210	280	70	115	140	
at 60 years design life	MD kN/m	62	93	124	186	247	62	107	124	
at 120 years design life	MD kN/m	57	85	114	171	228	57	103	114	
Width	m	4	4	4	4	4	4	4	4	
Roll length	m	100	100	100	100	100	100	100	100	