

Lotrak® Rail Range Comparison - Terratex®/Trenchliner®/Terram PW1

Mechanical Properties	Test Method / Standard	Unit	TRACKBED SEPARATORS				PIPE & TRENCH GEOTEXTILES	
			Lotrak® 300	Terratex® 70	Terratex® 4050	Terram PW1	Lotrak® 200	Aquatex Trenchliner®
Tensile Strength (md)	EN ISO 10319	kN/m	25	22	22	22	18	10
Tensile Strength (cd)	EN ISO 10319	kN/m	25	22	22	22	18	10
Tensile Elongation at maximum load (md)	EN ISO 10319	%	60	95	80	60	50	-
Tensile Elongation at maximum load (cd)	EN ISO 10319	%	60	46	80	60	50	-
Static Puncture Resistance (CBR)	EN ISO 12236	N	4300	3300	3300	4300	2900	1500
Dynamic Perforation Resistance (Cone Drop) - hole Ø	EN ISO 13433	mm	13	17	13	22		-
Hydraulic Properties								
Apparent Pore Size O90	EN ISO 12956	µm	70	95	60	60	70	100
Permeability; Vertical (dh=50mm)	EN ISO 11058	l/m2s	65	60	85	30	80	100
Durability								
Soil Temperature < 25°C	EN ISO 13438	years	100	-	-	100	100	-
Exposure Time in extreme natural light	-	weeks	2	-	-	4	2	-
Network Rail Approval								
Certificate No.	PADS	-	PA05/06066	-	-	PA05/04556	PA05/06066	-
Catalogue No.	PADS	-	057/101451	-	-	-	057/101451	-
Conformity	NR/SP/TRK/010	-	yes	yes	yes	-	yes	yes
	RT/CE/S/010/02	-	N/A	N/A	N/A	N/A	yes	yes
Product Dimensions								
Rolls Size	width x length	meter	2.0 x 50 2.0 x 100 4.0 x 50 4.5 x 100	2.0 x 50 4.0 x 50	2.0 x 50 3.0 x 50 4.0 x 50 5.0 x 50 6.0 x 50	2.0 x 50 4.0 x 50 3.5 x 25 3.9 25	4.5 x 100	1.9 x 150 2.2 x 150 3.8 x 150 4.4 x 150

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