

Technical Data

polyfelt.Rock WX



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polyfelt[®]
Geosynthetics

polyfelt.Rock WX is manufactured from uncoated high tenacity polyester (PET) yarns, **knitted** to form a structured sheet. polyfelt.Rock WX is a technical fabric designed to reinforce soil structures subject to **high load**.

Properties <i>[Standard]</i>	Unit	WX 100/50	WX 150/50	WX 200/50	WX 300/50	WX 400/50	WX 600/50	WX 800/100	
Type of product	-	Knitted technical fabric							
Material	-	High tenacity PET yarns							
Tensile strength MD <i>[EN ISO 10319]</i>	kN/m	100	150	200	300	400	600	800	
	CD	50	50	50	50	50	50	100	
Elongation MD <i>[EN ISO 10319]</i>	%	10	10	10	10	10	10	10	
	CD	10	10	10	10	10	10	10	
Typical long term tensile strength *)	kN/m	50	75	100	150	200	300	400	

The values given are indicative and correspond to average results obtained in our laboratories and in testing institutes.

Forms of supply

Width	m	5,3	5,3	5,3	5,3	5,3	5,3	5,3
Length	m	100	100	100	50	50	50	50
Area	m ²	530	530	530	265	265	265	265
Weight of roll	kg	193	225	294	177	219	318	426

Other forms of supply and special grades, adjusted to the requirements of the project, are available on request.

*) Long term tensile strength = $T_{min} / (RF_{creep} \times RF_{inst} \times RF_{mat} \times RF_{env})$
 RF_{creep} : creep - 120 years = 1,65
 RF_{inst} : installation damage (sand, silt, clay) = 1,10
 RF_{mat} : material = 1,00
 RF_{env} : environment pH = 4 - 9 = 1,10

National codes may require application of other reduction factors or test methods.

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The Polyfelt Quality Management System is certified acc. ISO 9001.
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