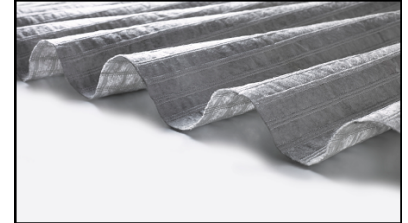


# MIRAGRID PEC

MIRAGRID® PEC uniaxial geocomposites are engineered materials suitable for short and long term soil reinforcement applications. They are composed of high modulus polyester fibres, attached to a continuous filament nonwoven geotextile backing.



Properties	Test method	Unit	PEC 40	PEC 55	PEC 75	PEC 95	PEC 125	PEC 180	PEC 230
<b>Mechanical Properties</b>									
Tensile strength (MD*)	EN ISO 10319	kN/m	42	58	79	100	132	190	242
<i>Tensile strength (min)</i>	<i>EN ISO 10319</i>	<i>kN/m</i>	<i>40</i>	<i>55.1</i>	<i>75.1</i>	<i>95</i>	<i>125.4</i>	<i>180.5</i>	<i>230.1</i>
Tensile strength (CMD*)	EN ISO 10319	kN/m	12	12	12	11.5	11.5	11.5	11.5
<i>Tensile strength (min)</i>	<i>EN ISO 10319</i>	<i>kN/m</i>	<i>11.4</i>	<i>11.4</i>	<i>11.4</i>	<i>10.9</i>	<i>10.9</i>	<i>10.9</i>	<i>10.9</i>
Elongation at nominal strength (MD*)	EN ISO 10319	%	11	11	11	11	11	11	11
Elongation at nominal strength (CMD*)	EN ISO 10319	%	100	100	100	100	100	100	100
<b>Hydraulic Properties</b>									
Water permeability normal to the plane ( $\Delta h = 50$ mm)	EN ISO 11058	mm/s	70	70	70	70	70	70	70
Water flow capacity in the plane (20 kPa)	EN ISO 12958	l/ms	1.5E-3	1.5E-3	1.5E-3	1.5E-3	1.5E-3	1.5E-3	1.5E-3
Characteristic opening size O90	EN ISO 12956	$\mu\text{m}$	95	120	95	95	95	95	110
<b>Form of Supply</b>									
Width		m	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Length		m	100	100	100	100	100	100	100
Roll weight		kg	155	175	195	220	240	290	345

**Notes**

\* MD = Machine Direction / CMD = Cross Machine Direction  
 Min: These values are given within the 95% confidence level

Other forms of supply are available on request. For more information, concerning long term design strength, friction behaviour or other product properties please contact Solmax.

The values are average values obtained in our laboratories and in accredited institutes. The information given in this datasheet is to the best of our knowledge true and correct. However, new research results and practical experience can make revisions necessary. The right is reserved to make any change without notice at any time. No guarantee or liability can be drawn from the information mentioned herein.

ROCK PEC is now MIRAGRID® PEC.

**Certification and Accreditation**



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