

# Technical Data

## Megadrain

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**polyfelt**<sup>®</sup>  
Geosynthetics

**Megadrain** is a drainage product made of three-dimensional polypropylene monofilaments combined with one or two layers of polypropylene filter geotextile (polyfelt.TS). Megadrain has an extremely **high voids content** offering a **high in-plane flow capacity** under low surcharge loads.

Properties <small>[Standard]</small>	Unit	830	1230	2030	840	1240	2040
Type of product	-	Drainage mat with filter layer on one side			Drainage mat with filter layer on both sides		
Raw material	-	PP (monofilament mat) + UV-stabilized PP (filter)					

### Drainage mat

In-plane flow capacity $i = 1$	20 kPa	l/m.s	0,85	2,40	3,70	0,55	2,30	3,30
	50 kPa	l/m.s	0,60	1,55	1,65	0,45	0,80	1,40
$i = 0,1$	20 kPa	l/m.s	0,35	0,80	1,05	0,20	0,70	0,90
	50 kPa	l/m.s	0,25	0,60	0,80	0,15	0,55	0,70
$i = 0,04$ <small>[EN ISO 12958]</small>	20 kPa	l/m.s	0,20	0,45	0,60	0,15	0,20	0,50
	50 kPa	l/m.s	0,05	0,20	0,25	0,05	0,10	0,15
Thickness <small>[EN 964-1]</small>	2 kPa	mm	8	12	20	8	12	20
Tensile strength <small>[EN ISO 10319]</small>		kN/m	9,5	9,5	9,5	20	20	20

### Filter geotextile

Type of product	-	Mechanically bonded continuous-filament nonwoven					
Cone drop test <small>[EN 918]</small>	mm	30			30		
Tensile strength <small>[EN ISO 10319]</small>	kN/m	9,5			9,5		
CBR puncture resistance <small>[EN ISO 12236]</small>	N	1600			1600		
Opening size $O_{90}$ <small>[EN ISO 12956]</small>	$\mu$ m	110			110		
Water permeability vertical <small>[EN ISO 11058, <math>\Delta h = 50</math> mm]</small>	l/m <sup>2</sup> .s	100			100		

The values given are indicative and correspond to average values obtained in our laboratories and in testing institutes.  
The right is reserved to make changes without notice at any time.

### Forms of supply

Length x width	(+/-3%)	m x m	50 x 1,95*	35 x 1,95*	25 x 1,95*	50 x 1,95*	35 x 1,95*	25 x 1,95*
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Other forms of supply are available on request.

\* The filter geotextile projects by 10 cm on one side each over the edge of the monofilament mat.

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