

FABRINET Megadrain

Megadrain is a drainage product made of three-dimensional polypropylene monofilaments combined with two layers of polypropylene filter Non-Woven.

Megadrain has an extremely high voids content offering a high in-plane flow capacity. and are used for surface drainage applications, replacing conventional drainage gravel layers.



Characteristics	Test method	Unit	14-206	27-207	38-215	59-220				
Geocomposite										
Type of product	Drainage composite with filter Non-Woven filter on both sides									
Raw material	PP Monofilament core + PP Non-Woven									
Thickness (2 kPa)	EN ISO 9863-1	mm	5.5	7.0	15.5	20				
Tensile Strength (MD/CMD)	ISO 10319	kN/m	15 /15	15 /15	15 /15	15 /15				
In-plane Water Flow Capacity; MD ^a			(rigid/rigid)	(soft/rigid)	(soft/rigid)	(soft/rigid)				
			i=1	i=0.1	i=1	i=0.1	i=1	i=0.1		
20 kPa	ISO 12958	l/(m x s)	1.0	0.3	2.70	0.70	3.80	1.20	5.80	1.55
50 kPa			0.9	0.27	2.30	0.57	2.00	0.85	2.50	0.70
100 kPa			0.8	0.25	1.50	0.40	0.70	0.25	1.00	0.30
Geotextile										
Mass per Unit Area	ISO 9864	g/m ²	120	120	120	120				
Tensile Strength (MD/CMD)	ISO 10319	kN/m	7.5 / 7.5	7.5 / 7.5	7.5 / 7.5	7.5 / 7.5				
Cone drop test	ISO 13433	mm	36	36	36	36				
Puncture resistance	ISO 12236	N	1200	1200	1200	1200				
Characteristic Opening Size	ISO 12956	µm	90	90	90	90				
Water Flow Normal to Plane	ISO 11058	l/(m ² x s)	90	90	90	90				
Supply specifications										
Roll Dimension - Width (±3%)		m	2.4	2.4	2.4	2.4				
Roll Dimension - Length (±2%)		m	25	63	33	25				
Area (Surface/Roll)		m ²	62.5	151.2	79.2	62.5				
Roll diameter		mm	460	800	810	800				
Rolls per pallet			6	2	2	2				

NOTES:

All properties, unless otherwise noted, are guiding values. Minimum values are within 95% confidence interval.

(a): Tolerance -30%

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