

Standard Specifications for Wicks® Corrugated Prefabricated Vertical Drain series



Physical Drain Properties	Test Methods	Unit	C3007	C3010	C3012
Core Type	-	-	corrugated	corrugated	corrugated
Drain width	ASTM D3774	mm	100 ± 5	100 ± 5	100 ± 5
Drain thickness	ASTM D5199	mm	3.0	3.0	3.0
Core Material	-	-	PP	PP	PP
Filter Material	-	-	PET	PET	PET
<b>Properties Composite Drain</b>					
Tensile Strength, full width	ASTM D4595	kN	≥ 2.2	≥ 2.2	≥ 2.2
Elongation at 1 kN	ASTM D4595	%	≤ 10	≤ 10	≤ 10
Discharge Straight (250,1)	ASTM D4716	cm <sup>3</sup> /s	≥ 90	≥ 90	≥ 90
<b>Properties Filter</b>					
Wide width tensile strength	ASTM D4595	kN/m	≥ 4.0	≥ 6.0	≥ 7.0
Grab tensile strength	ASTM D4632	N	≥ 350	≥ 400	≥ 600
Permeability	ASTM D4491	m/s	≥ 1x10 <sup>-4</sup>	≥ 2x10 <sup>-4</sup>	≥ 2x10 <sup>-4</sup>
AOS O <sub>95</sub>	ASTM D4751	µm	≤ 75	≤ 85	≤ 85
<b>Packing details</b>					
Roll length	-	m	300	300	300
Total length per 40ft HQ container	-	m	151,800	151,800	151,800

Rev Oct 2020

Notes:

- The published results are based on both internal and independent laboratory testing. Due to standard variations, test results can vary 10% for Mechanical properties and 20% for Hydraulic properties
- Discharge test is conducted using hard platen in accordance with ASTM D4716
- Shown products are subject to continuous development and improvement. For additional specifications, technical advise or enquiries, please contact us by email at [info@wicks.nl](mailto:info@wicks.nl) or check your nearest contact person at our website [www.wicks.nl](http://www.wicks.nl)