

# Geotube® Dewatering Containers

TenCate Geotube® Dewatering Containers are manufactured using specially engineered dewatering fabrics that provide excellent solids retention and rapid discharge of high quality filtrate. They are fabricated with high strength and efficiency seams for a strong, durable and cost effective dewatering unit.

## Properties of TenCate Geotube® Dewatering Containers

Property	Test Standard	Unit	GT300D	GT500D
<b>Mechanical</b>				
Wide width tensile strength	MD ISO 10319	kN/m	45	80
Wide width tensile strength	CD ISO 10319	kN/m	45	105
Strain at nominal tensile strength	MD ISO 10319	%	20	15
Strain at nominal tensile strength	CD ISO 10319	%	15	15
CBR puncture strength	ISO 12236	kN	5	9
Drop cone perforation diameter	ISO 13433	mm	9	8
Abrasion resistance	ASTM D4886	% retained	70	70
UV resistance (at 500 hours)	ASTM D4355	% retained	90	90
<b>Hydraulic</b>				
Pore size $O_{90}$	ISO 12956	mm	0.3	0.4
Water permeability $Q_{90}$	ISO 11058	l/m <sup>2</sup> /s	25	20
<b>Factory seam</b>				
Seam strength	CD ISO 10321	kN/m	30	65

Tube sizes are made to order to suit project requirements.

TenCate Geotube® is a registered trademark of Royal Ten Cate.

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

Further details of this application and products can be obtained by contacting your nearest TenCate Technical Support office. Unauthorized reproduction and distribution is prohibited. This document is provided as a supporting service only. The information contained in this document is to the best of our knowledge true and correct. No warranty whatsoever is expressed or implied or given. Engineers wishing to apply this information shall satisfy themselves on the validity of the input data relative to the applicable soil and engineering conditions and in doing so assume design liability.