

Geotube® GT Engineered Tubes

Properties of Geotube® GT Engineered Tubes

Property	Unit	GT300	GT500	GT750	GT1000
Mechanical properties					
Wide width tensile strength					
ISO 10319					
Characteristic peak strength	MD kN/m	45	70	120	200
Characteristic peak strength	CD kN/m	45	95	120	200
Extension at peak strength	MD %	20	20	20	25
Extension at peak strength	CD %	15	15	15	15
Factory seam strength					
ISO 10321, ASTM D4884					
Seam strength performance	CD kN/m	30	60	85	160
CBR puncture					
ISO 12236, ASTM D6241					
Mean peak strength	kN	5	8	14	18
Drop cone					
ISO 13433					
Mean perforation diameter	mm	9	8	10	8
Abrasion resistance					
ASTM D4886					
Strength retention	%	70	70	75	80
UV resistance after 500 hrs					
ASTM D4355					
Strength retention	%	90	90	80	80
Hydraulic properties					
Pore size					
ISO 12956					
Q_{90}	mm	0.30	0.40	0.40	0.45
Water permeability					
ISO 11058					
Q_{50}	l/m ² /s	25	20	13	15

Characteristic denotes the value within the 95% confidence level.

Geotube® is a registered trademark of TenCate.

Further details of this application and products can be obtained by contacting your nearest TenCate Technical Support Office.

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