HUESKER COMTRAC® DATA SHEET

PET REINFORCED NON-WOVEN GEOCOMPOSITE GEOTEXTILE

PRODUCT			30/30 B20	50/25 B20	50/50 B25	55/30 B30	75/75 B20	110/35-20 B20
MECHANICAL	STD.	UNIT						
Ultimate tensile strength Longitudinal Transverse	EN ISO 10.319	kN/m	≥ 30 ≥ 30	≥ 50 ≥ 25	≥ 50 ≥ 50	≥ 55 ≥ 30	≥ 75 ≥ 75	≥ 110 ≥ 35
Strain @ nominal tensile strength Longitudinal Transverse	EN ISO 10.319	%	≤ 10 ≤ 10	≤ 10 ≤ 10	≤ 10 ≤ 10	≤ 10 ≤ 10	≤ 10 ≤ 10	≤ 10 ≤ 10
Tensile strength at 2% strain (long) Tensile strength at 3% strain (long) Tensile strength at 5% strain (long)	EN ISO 10.319	kN/m	---	----	--	---	≥ 10 ≥ 17 ≥ 38	---
Water permeability index normal to the plane. Tolerance	EN ISO 11.058	m / s	100×10^{-3} -20×10^{-3}	90×10^{-3} -30×10^{-3}	90×10^{-3} -20×10^{-3}	70×10^{-3} -15×10^{-3}	70×10^{-3} -10×10^{-3}	80×10^{-3} -10×10^{-3}
Opening size	EN ISO 12956	µm	130 ± 50	100 ± 30	100 ± 30	100 ± 30	100 ± 25	100 ± 25
PHYSICAL								
Weight	EN ISO 9864	g / m²	~ 300	~ 320	~ 420	~ 450	~ 500	~ 510
PACKAGING								
Roll width x length		m	5.2 x 200	5.2 x 200	5.2 x 200	5.2 x 200	5.2 x 100	5.2 x 100

Product Notes

- Comtrac® is composed of polypropylene non-woven geotextile reinforced with PET filaments coated with polymer
- Comtrac® is resistant to naturally occurring soils having ph > 2 and <10
- The information listed in this data sheet is subject to periodic review and could be changed without notice.
- Comtrac® is manufactured according to ISO 9001 quality assurance procedures.
- Revised 03/2007.

Comtrac® geocomposite combines a high modulus reinforcement with an integral nonwoven component, the geocomposite performs reinforcement, separation and filtration functions.
Comtrac® is manufactured from modern geosynthetics with low creep and elongation properties. Longitudinal and transverse strands of the raw material are placed over one another and joined with threads, creating what is known as "Raschelware", a raschel knitted construction.
The advantage of this method of manufacture is that the load-carrying elements run in perfectly straight lines and so Comtrac® is able to carry tensile forces while undergoing very low strains.
Comtrac® is designed to be used on sites where construction is to take place on ground with low bearing capacity.

TYPICAL APPLICATIONS

- Load-carrying layers in road construction
- Construction and rehabilitation of ballast layers on railway embankments
- Extra-steep earthworks slopes using local cohesive soils
- Load-bearing capping over silt lagoons
- Sinkhole over-bridging

PROPERTIES

- Immediate load take-up with low elongation
- Low creep
- High tensile strength
- Excellent separation and filtration properties
- High resistance to installation damage during
- Easily installed under water

HUESKER
Engineering with Geosynthetics