Transnet 330-2-10 Geocomposite

■ Transnet 330-2-10 Geocomposite consists of the Transnet 330 Geonet made by extruding 2 sets of HDPE strands together to form a diamond shaped net that is then heat laminated on both sides to GE110, a 10 ounce nonwoven geotextile. This three dimensional structure provides excellent planar liquid flow. The Transnet 330-2-10 Geocomposite conforms to the physical property values listed below:

GEONET PROPERTIES	TEST METHOD	UNITS	MINIMUM AVERAGE ROLL VALUE (MARV)	Qualifier
Thickness	ASTM D 5199	mils (mm)	300 (7.62)	MAV(3)
Density of Polymer	ASTM D 1505	g/cm^3	0.94	MAV
Tensile Strength	ASTM D 7179	lbs/in (kN/m)	75 (13.12)	MAV
Carbon Black	ASTM D 4218	%	2	MAV
Melt Flow	ASTM D 1238(2)	g/10 min	1.0	Maximum
Transmissivity(1)	ASTM D 4716	Gal/min.ft (m^2/sec)	38.67 (8.0 x 10^{-3})	MAV

(1) Transmissivity measured using water at 21± 2°C (70 ± 4°F) with a gradient of 0.1 and a confining pressure of 10,000 psf (479 kPa) between steel plates after 15 minutes. Values may vary with individual labs.
(2) Condition 190/2.16
(3) Minimum average value

■ GE-110 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. GE-110 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. GE-110 conforms to the physical values listed below:

GEOTEXTILE FABRIC PROPERTIES	TEST METHOD	UNITS	MINIMUM AVERAGE ROLL VALUE (MARV)
Weight	ASTM D 5261	oz/yd^2 (g/m^2)	10.0 (339)
Thickness	ASTM D 5199	mils (mm)	110 (2.79)
Grab Tensile	ASTM D 4632	lbs (kN)	270 (1.20)
Grab Elongation	ASTM D 4632	%	50
Trap Tear	ASTM D 4533	lbs (kN)	100 (0.44)
CBR Puncture	ASTM D 6241	lbs (kN)	725 (3.22)
UV Resistance	ASTM D 4355	% @ 500 hrs	70
Water Flow Rate	ASTM D 4491	gpm/ft^2 (l/min/m^2)	75 (3055)
Permittivity	ASTM D 4491	sec^{-1}	0.94
Permeability	ASTM D 4491	cm/sec	0.3
AOS	ASTM D 4751	US Sieve (mm)	100 (0.150)

- The properties reported above are at time of manufacturing. Handling may change these properties.
- Information effective 04-01-2016 and subject to change without notice.

Carthage Mills
4243 Hunt Road
Cincinnati, OH 45242
www.carthagemills.com

513-794-1600 TELEPHONE
800-543-4430 TOLL FREE
513-794-3434 FACSIMILE
info@carthagemills.com