

10/28/16

## Type 1 MSEW - Geogrid

Oregon DOT

ODOT ID#	Product Name	Ultimate Tensile Strength, $T_{ult}^{1,3}$ (lb/ft)	Long-Term Tensile Strength, $T_{al}^{2,3}$ (lb/ft)	Long-Term Strength Reduction Factors			Manufacturer Name and Contact Info.
				RF <sub>ID</sub>	RF <sub>CR</sub>	RF <sub>D</sub>	
xxxx	Miragrid 2XT - TenCate	2000	947	1.12	1.45	1.3	Manufacturer Name: Tencate Geosynthetics Northwest
3744	Miragrid 3XT - TenCate	3500	1660	1.12	1.45	1.3	Address: Vancouver, WA
3745	Miragrid 5XT - TenCate	4700	2230	1.12	1.45	1.3	Contact Name: Mark Sikkema
3746	Miragrid 7XT - TenCate	5900	2790	1.12	1.45	1.3	Business Phone: 706-693-1826
3747	Miragrid 8XT - TenCate	7400	3510	1.12	1.45	1.3	Mobile Phone: 360-448-8968
3748	Miragrid 10XT - TenCate	9500	4500	1.12	1.45	1.3	E-mail: m.sikkema@tencate.com
3750	Miragrid 20XT - TenCate	13705	6490	1.12	1.45	1.3	Website: www.tencate.com
3751	Miragrid 22XT - TenCate	20559	9740	1.12	1.45	1.3	
3752	Miragrid 24XT - TenCate	27415	13000	1.12	1.45	1.3	
3757	UX1400HS	4800	1504	1.12	2.59	1.1	Manufacturer Name: Tensar International Corporation
3758	UX1500HS	7810	2492	1.1	2.59	1.1	Address: 2500 Northwinds Parkway, Suite 500, Alpharetta, GA 30009
3759	UX1600HS	9870	3149	1.1	2.59	1.1	Contact Name: Willie Liew, P.E.
3760	UX1700HS	11990	3768	1.1	2.63	1.1	Phone: 770.344.2134; Cell: 404.219.0431
3762	UX1400MSE	4800	1504	1.12	2.59	1.1	Fax: 770.344.2084
3763	UX1500MSE	7810	2492	1.1	2.59	1.1	E-mail: WLiew@tensarcorp.com
3764	UX1600MSE	9870	3149	1.1	2.59	1.1	Website: www.tensarcorp.com
3765	UX1700MSE	11990	3768	1.1	2.63	1.1	
4376	SG150	1875	874	1.1	1.5	1.3	Manufacturer Name: Strata Systems, Inc.
4377	SG200	3600	1678	1.1	1.5	1.3	Address: 380 Dahlonga Rd, Suite 200, Cumming, GA 30040
4378	SG350	5000	2331	1.1	1.5	1.3	Contact Name: Lance Carter
4379	SG500	6400	2984	1.1	1.5	1.3	Phone: 800.680.7750
4380	SG550	8150	3800	1.1	1.5	1.3	Email: lcarter@geogrid.com
4381	SG600	9100	4242	1.1	1.5	1.3	Website: www.geogrid.com
4382	SG700	11800	5501	1.1	1.5	1.3	
4144	SF20	1939	800	1.18	1.58	1.3	Manufacturer Name: Synteen Technical Fabrics, Inc.
3781	SF35	3055	1260	1.18	1.58	1.3	Address: 1950 W Meeting Street, Lancaster, SC 29720
3782	SF55	4199	1732	1.18	1.58	1.3	Contact Name: Sammy Macy
3783	SF80	7398	3052	1.18	1.58	1.3	Phone: 803.416.8336
4145	SF90	8500	3507	1.18	1.58	1.3	Fax: 803.416.8344
3784	SF110	10207	4211	1.18	1.58	1.3	E-mail: sammy@synteen.com
4146	SF350	27400	11305	1.18	1.58	1.3	Website: www.synteen.com
4383	ParaGrid 30/05	2055	1040	1.1	1.39	1.3	Manufacturer Name: Linear Composites Ltd.
4384	ParaGrid 40/05	2740	1380	1.1	1.39	1.3	US Rep: Maccaferri, Inc.
4385	ParaGrid 50/05	3425	1730	1.1	1.39	1.3	Contact Name: Neil Hansen
4386	ParaGrid 60/05	4110	2070	1.1	1.39	1.3	Address: 8651 Morrison Creek, Sacramento, CA 95828-1861
4387	ParaGrid 65/05	4452	2240	1.1	1.39	1.3	Phone: 916.371.5805 Cell: 916.396.0626
4388	ParaGrid 70/05	4795	2420	1.1	1.39	1.3	Fax: 916.371.0764
4389	ParaGrid 80/05	5479	2760	1.1	1.39	1.3	E-mail: mail@linearcomposites.com
4390	ParaGrid 90/05	6164	3110	1.1	1.39	1.3	Website: www.linearcomposites.com
4391	ParaGrid 100/05	6849	3450	1.1	1.39	1.3	
4392	ParaGrid 110/05	7534	3800	1.1	1.39	1.3	Mfg: Linear Composites Ltd (continued)
4393	ParaGrid 125/05	8562	4310	1.1	1.39	1.3	

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				RF <sub>ID</sub>	RF <sub>CR</sub>	RF <sub>D</sub>	
4394	ParaGrid 150/05	10274	5170	1.1	1.39	1.3	
4395	ParaGrid 175/05	11986	6040	1.1	1.39	1.3	
4396	ParaGrid 180/05	12329	6210	1.1	1.39	1.3	
4397	ParaGrid 200/05	13699	6900	1.1	1.39	1.3	
3791	Fortrac 20	1500	713	1.15	1.59	1.15	Manufacturer Name: Huesker, Inc.
3792	Fortrac 35	2400	1200	1.1	1.59	1.15	Add: 10701-W South Commerce Blvd, Charlotte, NC 28273
3793	Fortrac 55	3710	1860	1.1	1.59	1.15	Contact Name: Steve Lothspiech
3794	Fortrac 80	5380	2690	1.1	1.59	1.15	Phone: 704.588.5500 (X120)
3795	Fortrac 110	7410	3710	1.1	1.59	1.15	Fax: 704.588.5988
							Phone: 800.942.9418
							E-mail: marketing@hueskerinc.com
							Website: www.huesker.com
4147	Raugrid 3x3N	2055	927	1.1	1.55	1.3	Manufacturer Name: Luckenhaus Technical Textiles, Inc.
4148	Raugrid 4x2N	2740	1236	1.1	1.55	1.3	Address: 175 Mehler Lane, Martinsville, VA 24112
4149	Raugrid 5x2N	3425	1545	1.1	1.55	1.3	Contact Name: Penny Campbell
4150	Raugrid 6x3N	4110	1854	1.1	1.55	1.3	Phone: 866.513.6275
4151	Raugrid 8x3N	5480	2472	1.1	1.55	1.3	Fax: 276.638.4704
4152	Raugrid 11x3N	7535	3399	1.1	1.55	1.3	
4153	Raugrid 13x3N	8905	4018	1.1	1.55	1.3	
4154	Raugrid 15x3N	10275	4636	1.1	1.55	1.3	

**Notes:**

1.  $T_{ult}$  determined from Test Procedure ASTM D6637 and is the manufacturer's Minimum Average Roll Value (MARV) for the product.
2.  $T_{al}$  is determined at a design life of 75 years and is based on the MARV for  $T_{ult}$  provided in this table.
3. All Tensile Strengths in Machine Direction