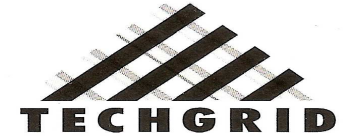




TECHNICAL DATA

Techgrid B Series High Performance Biaxial Geogrid

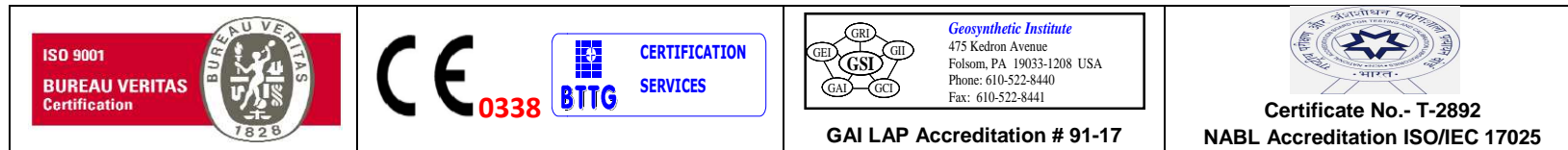


TechGrid B Series comprise biaxial geogrids manufactured from select grades of high tenacity, high molecular weight, and low carboxyl end group polyester yarn to ensure high strengths, low creep and excellent durability. The yarns are formed into a dimensionally stable grid structure with uniform apertures, using an advanced weft insertion warp knitting process and are then given a tough and durable polymeric coating to enhance dimensional stability, resistance to installation damage and durability. TechGrid B Series geogrids are suitable for the reinforcement of soils and other granular materials where strength in both directions is important, including: reinforcement of unbound aggregate courses of paved and unpaved roads, area stabilization/ reinforcement and track-bed stabilization.

TechGrid B Series geogrids conform to the following property values:

Property		Test Method	Unit	TG B - 10	TG B - 15	TG B - 20	TG B - 30	TG B - 40	TG B - 60	TG B - 90	TG B- 100	TG B -150	TG B-200	
Ultimate tensile strength ¹	MD	ASTM D 6637 EN ISO 10319	kN/m	10	15	20	30	40	60	90	100	150	200	
	CD			10	15	20	30	40	60	90	100	150	200	
Elongation at Nominal Strength	MD		%	12	12	12	12	12	12	12	12	12	12	12
	CD			12	12	12	12	12	12	12	12	12	12	12
Tensile strength at 2 % strain	MD		kN/m	1.5	3.5	4.0	7.0	9.0	11.0	15	16	20	30	
	CD			1.5	3.5	4.0	6.5	8.0	9.5	10.5	11	15	24	
Tensile strength at 5 % strain	MD		kN/m	3.0	5.5	7.0	13.0	18.0	20.0	30	31	45	60	
	CD			3.0	5.5	7.0	9.0	11	14	20	22	35	50	
Physical properties²														
Aperture size (Tolerance ± 3 mm)			mm	35x35	27x27	27x27	26x26	25x25	25x25	23x23	23x23	23x22	23x22	
Roll dimensions²														
Roll length			m	150	150	150	100	100	100	100	100	100	100	
Roll width			m	3.9/5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	
Total Rolls				113	100	88	100	90	80	50	50	40	40	
Stuffing Qty/40'HC Tolerance ± 10 %			Sq. mtr.	86445	76500	67320	51000	45600	40800	25500	25500	20400	20400	

¹ Minimum average roll value (Minimum refers to 95 % confidence limit.) MD – Machine Direction CD – Cross Direction.



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