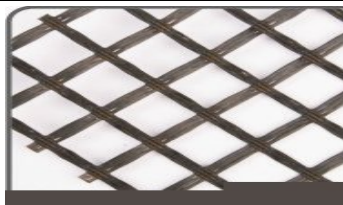


RETECH

Biaxial Geogrids



RETECH GEOSYNTHETICS

A-413 Safal Pegasus, Anand Nagar Road, Prahladnagar,
Ahmedabad - 380015, Gujarat, India.
Phone:- +91 79 40209898, Fax :- +91 79 40067979.
Email:- sunish.mangat@retech.in, Web:-www.retech.in

Discription: 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.

Retech Biaxial Geogrids confirm to the following property values:

Property		Test Method	Unit	RG -15 -B	RG-30-B	RG-40-B	RG-60-B	RG - 80 -B	RG - 100 -B
Mechanical Properties									
Tensile Strength ⁽¹⁾	MD	ASTM D 6637	kN/m	15	30	40	60	80	100
	CD		kN/m	15	30	40	60	80	100
Creep reduction Factor	KN/m	ASTM D 5262,ASTM D 6992	kN/m	1.46	1.46	1.46	1.46	1.46	1.46
Creep Limited Strength				10.2	20.5	27.4	41.1	54.7	68.4
Partial factor - Installation Damage									
In clay, silt or sand				1.05	1.05	1.05	1.05	1.05	1.05
In sandy gravel				1.1	1.1	1.1	1.1	1.1	1.1
In gravel				1.2	1.2	1.2	1.2	1.2	1.2
Partial factor - Environmental Effects		GRI -GG7, GRI -GG8							
Environment, 4_< pH _< 8				1.1	1.1	1.1	1.1	1.1	1.1

Geometric Properties

Grid Aperture Sizes	MD			18	18	18	18	18	17
	CD			18	18	18	17	18	17
MD: Machine Direction CD: Cross Direction ⁽¹⁾ Minimum Average Roll values									

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