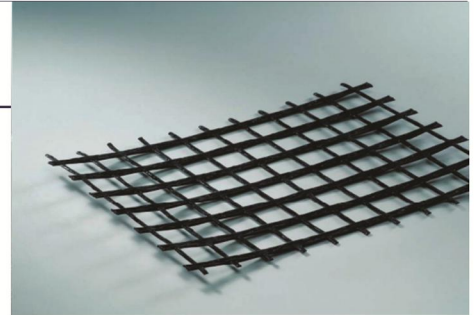




GEOGRID - TECHNICAL DATA SHEET



GP Grids are geogrids made from high-tenacity PET yarns which are covered with a black polymeric coating, providing high tensile strength at low elongation.

Properties	Unit	20/20	35/35	60/20	80/20	110/20	160/20	200/30	240/35
Mechanical properties [EN ISO 10319]									
Characteristic tensile strength	KN/m	20	35	60	80	110	160	200	240
• MD		20	35	20	20	20	20	30	30
• CD	KN/m								
Elongation at characteristic strength		<11	<11	<11	<11	<11	<11	<11	<11
TOLERANCE ±10%									
Creep									
RF _{CR} - Reduction factor for creep		1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46
Rupture for 120 years									
Mechanical damage									
RF ₁₀ Reduction factor for mechanical damage									
• material beneath and on top: Sandy gravel		1.18	1.14	1.10	1.08	1.05	1.04	1.03	1.03
• material beneath and on top: Crushed rock		1.4	1.35	1.29	1.26	1.22	1.17	1.11	1.1
Chemical and biological effects									
RF _{CB} -Reduction factor for Chemical and biological effects		1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
Friction									
Friction coefficient		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Mesh Size									
• MD	mm	20	20	20	20	20	20	20	20
• CD	mm	35	35	35	35	25	25	25	25
± 5 mm									
Roll Size									
• Roll Width (± 5 cm)	m	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25
• Roll Length	m	100	100	100	100	100	50	50	50

The values given are average values obtained in our laboratories and in accredited testing institutes. The information given in this datasheet is to the best of our knowledge true and correct. However new research results and practical experience can make revisions necessary. The right is reserved to make changes without notice at any time. No guarantee or liability can be drawn from the information mentioned herein.

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