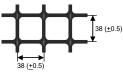
TechGrid PP Biaxial Geogrid

TechGrid PP is a family of integrally formed biaxial Geogrids manufactured from superior grades of polypropylene using a precisely controlled punching and drawing process. Stringent controls on raw materials and manufacturing process ensures a high quality product with consistent geometry, integral junctions, superior mechanical properties and excellent durability. The polymer has been stabilized using over 2.0% carbon black.

TechGrid PP Biaxial Geogrid acts as a stretched membrane that resists the vertical loads while simultaneously provides confinement to the subgrade soil. It also provides an increased bearing capacity margin of safety by intercepting the potential failure surfaces that develop under vertical loads.







- 1. The information given in this data sheet is based on tests conducted at our manufacturers in-house laboratory and independently accredited laboratories. While the information is presented as a true and accurate representation of the attributes of the product to the bestly of our knowledge, no expressed or implied warranties are made and Cosio Industries Ltd assumes no responsibility or liability with regard to the use of this information. The right to make periodic revisions of the specifications without prior notice is reserved.
- 2. Nominal measured values having ± 5.0 mm tolerance
- 3. Measured in accordance with ISO 10319, ASTM D 6637, calculate as the average value.
- 4. TechGrid biaxial geogrid are highly resistance to ultra-violet light as it incorporates over 2.0% carbon black.



Init Tension (kN/m) ³ Product CodeUltimate@2.0% StrainJunctionMDTDMDTDMDPOGMDTDMDTDMDTDTechGrid PP 202020207.07.01414TechGrid PP 203020207.07.014295%1TechGrid PP 3030L30309.09.021295%11TechGrid PP 3030L303010.010.021295%11TechGrid PP 3030L303010.010.021295%11TechGrid PP 3030L3010.010.021295%11TechGrid PP 4040404014.02828295%11PackagingXitth (±0.05)Xitth (±0.05)Xitth (±1.0)25 / 50 mts.Xitth (±1.0)25 / 50 mts.				Me	Mechanical properties	operties.			Durability	Dime	Dimensions
Intercode <td></td> <td></td> <td></td> <td>Unit Tens</td> <td>sion (kN/m)³</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>				Unit Tens	sion (kN/m) ³						
MD TD MD TD MD TD TD d PP 2020 20 20 7.0 7.0 14 14 $\ge 95\%$ $\ge 95\%$ d PP 3030 30 30 9.0 9.0 21 21 $\ge 95\%$ $\ge 10\%$ J PP 3030L 30 30 10.0 10.0 21 21 $\ge 95\%$ $\ge 95\%$ d PP 4040 40 40 14.0 14.0 21 $\ge 95\%$ $\ge 95\%$ $\ge 95\%$ d PP 4040 30 30 14.0 28 $\ge 95\%$ $\ge 95\%$ $\ge 95\%$	Product Code	Oltin	nate	@2.0%	Strain	@5.0%	6 Strain	Junction Efficiency	Resistance to UV Degradation	Typical (<u>+</u>	Typical Size mm (<u>+</u> 5.0)
d PP 2020 20 20 7.0 7.0 14 $\ge 95\%$ $\simeq 95\%$ d PP 3030 30 30 9.0 9.0 9.0 21 $\ge 95\%$ $\simeq 95\%$ d PP 3030L 30 30 10.0 10.0 21 $\ge 95\%$ $\simeq 95\%$ d PP 3030L 30 30 10.0 10.0 21 $\ge 95\%$ $\simeq 95\%$ d PP 4040 40 40 14.0 14.0 28 $\ge 95\%$ $\simeq 95\%$ d PP 4040 30 30 10.0 20.0 26 $\simeq 95\%$ $\simeq 95\%$ $\simeq 95\%$ d PP 4040 40 14.0 14.0 28 28 $\simeq 95\%$		QW	đ	QW	đ	QW	Ð		-	MD	₽
d PP 3030 30 30 9.0 9.0 21 295% 295% d PP 3030L 30 30 10.0 10.0 21 295% 295% d PP 4040 40 40 14.0 14.0 28 295% 295% d PP 4040 30 30 14.0 14.0 28 295% 28 d PP 4040 30 30 14.0 28 28 295% 28 d PP 4040 30 3.5 mts. 28 28 255% mts. 255% mts.	TechGrid PP 2020	20	20	7.0	7.0	14	14	<u>-95%</u>	_95%	38	38
I PP 3030L 30 30 10.0 10.0 21 295% d PP 4040 40 40 14.0 14.0 28 295% 295% i P 3030L 3.95 mts. i A.0 14.0 28 28 295% i	TechGrid PP 3030	30	30	9.0	9.0	21	21	<u>></u> 95%	95%	38	38
d PP 4040 40 40 14.0 14.0 28 28 295% 28 395% 30 395 mts.	TechGrid PP 3030L	30	30	10.0	10.0	21	21	295%	295%	60	60
() 3.95 mtrs.	TechGrid PP 4040	40	40	14.0	14.0	28	28	<u>></u> 95%	95%	30	30
3.95 mtrs.	Packaging										
_	Width (<u>+</u> 0.05)	3.95 mtrs.				Γe	ength (<u>+</u> 1.0)	25 / 50 mtrs.			



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