

CGS GEOGRID

CGS Geogrid material consisting of connected parallel sets of tensile ribs with apertures of sufficient size to allow strike-through of surrounding soil, stone, or other geotechnical material. Their primary functions are reinforcement and separation.

Biaxial geogrids were manufactured by stretching the punched sheet of polypropylene in two orthogonal directions. This process resulted in a product with high tensile strength and modulus in two perpendicular directions. The resulting grid apertures were either square or rectangular.

Property	Test Method	Units	PGI20	PGI30	PGI40
Specification					
Material			PP	PP	PP
Min Carbon Black Content	ASTM D 4218	%	230	330	460
Tensile Strength MD	ASTM D 6637	kN/m	20	30	40
Tensile Strength TD	ASTM D 6637	kN/m	20	30	40
Peak Strain MD	ASTM D 6637	%	13	13	13
Peak Strain TD	ASTM D 6637	%	13	13	13
Load at 2% Strain MD	ASTM D 6637	kN/m	7	10,5	14
Load at 2% Strain TD	ASTM D 6637	kN/m	7	10,5	14
Load at 5% Strain MD	ASTM D 6637	kN/m	14	21	28
Load at 5% Strain TD	ASTM D 6637	kN/m	14	21	28
Junction Efficiency	ASTM D 6637	%	95	95	95
Roll Size	Width	m	3,95	3,95	3,95
	Length	m	50	50	50