



Geomaterials Specification Sheet

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Welded thermoplastic geocell that confines local fill and raises the bearing capacity of weak subgrade.

Geocell

Geocell is a cell structure welded from thermoplastic sheets that is shipped collapsed and stretched open on site, then filled with soil, gravel or concrete. The confinement it creates spreads load and raises the bearing capacity of weak foundations on roads, railways, embankments and river banks. Model AVSGC-50-400 is available in PP and PE.

Parameter	Value
Model	AVSGC-50-400
Material	PP or PE
Cell Sheet Tensile Yield Strength	at least 23.0 MPa in PP and at least 20.0 MPa in PE
Weld Tensile Strength	at least 100 N/cm in PP and PE
Sheet Tensile Strength At Junction Between Cells	at least 120 N/cm in PP and PE
Sheet Edge Tensile Strength At Joint	at least 200 N/cm in PP and PE

Published values are general averages for reference. Actual product data should be based on the results of actual testing within the applicable scope.