

Tensar TGSG4040 Geogrids Product Specification

Tensar TGSG4040 geogrids are used for the reinforcement of soils and aggregates in construction of structures such as road pavements, working platforms and reinforced foundations.

Tensar TGSG4040 geogrids are stiff monolithic geogrids with integral junctions. They are orientated in two directions such that the resulting ribs have a high degree of molecular orientation which continues through the area of the integral node. The ribs have a rectangular cross section with square edges.

Property	Units	Value	Reference test method used
Polymer		polypropylene	
Carbon black content	%	≥ 2.0	GB/T13021-1991
Minimum roll width	m	4.0 or 3.8	
Minimum roll length	m	30	
Typical roll weight	Kg	64.8 or 61.6	
Aperture size	mm	35 x 35	
Quality control strength longitudinal (MD)			
Minimum (T _{ULT})	kN/m	40	GB/T 17689-2008
Minimum strength at 2% strain	kN/m	14.0	GB/T 17689-2008
Minimum strength at 5% strain	kN/m	28.0	GB/T 17689-2008
Approximate strain at T _{ULT}	%	15	GB/T 17689-2008
Quality control strength transverse (TD)			
Minimum (T _{ULT})	kN/m	40	GB/T 17689-2008
Minimum strength at 2% strain	kN/m	14.0	GB/T 17689-2008
Minimum strength at 5% strain	kN/m	28.0	GB/T 17689-2008
Approximate strain at T _{ULT}	%	13	GB/T 17689-2008

Tensar TGSG4040 geogrids are manufactured in accordance with a Quality Management System which complies with the requirements of BS EN ISO 9001:2015. All quoted dimensions and values are typical unless stated otherwise.

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