

PRODUCT DESCRIPTION

Techgrid 30/30 is a 30kN/m biaxial monolithic geogrid formed by punching and stretching a polypropylene extruded sheet, thereby maintaining strong junctions and structural integrity. Techgrid 30/30 features high tensile strength at both longitudinal (MD) and transverse (TD) directions and is utilized for stabilisation and reinforcement.



PROPERTIES	TEST METHOD	UNITS	MD VALUES		TD VALUES
GEOGRID PHYSICAL PROPERTIES					
POLYMER	-	-	PP		
MINIMUM CARBON BLACK	ASTM D 4218	%	2		
ULTIMATE TENSILE STRENGTH	EN ISO 10319	kN/m	30	30	
TENSILE STRENGTH @2% STRAIN	EN ISO 10319	kN/m	10.5	10.5	
TENSILE STRENGTH @5% STRAIN	EN ISO 10319	kN/m	21	21	
STRAIN @ ULTIMATE STRENGTH	EN ISO 10319	%	13	13	
STRUCTURAL INTEGRITY					
JUNCTION EFFICIENCY		%	93	93	
FLEXURAL RIGIDITY	GRI GG2	Mg-cm	2,000,000		
APERTURE STABILITY	ASTM D7748 COE METHOD	m-N/deg	0.75		
ROLL DIMENSION					
APERTURE DIMENSIONS		mm	34	34	
MINIMUM RIB THICKNESS			2.5	1.5	
ROLL WIDTH	-	m	4.0/5.95		
ROLL LENGTH	-	m	50		
ROLL WEIGHT	-	kg	(approx)		

1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd.
2. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
3. It is the responsibility of all users to satisfy themselves that the above data is current.
4. The above figures are typical values obtained from testing to current EN ISO standards.
5. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
6. Installation details are available on request.



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