TENAX **LBO SAMP**

Type: **202**

Bi-oriented geogrids

TENAX **LBO SAMP** are polypropylene geogrids especially designed for soil stabilization and reinforcement applications.
LBO SAMP geogrids are manufactured from a unique process of extrusion and biaxial orientation to enhance their tensile properties. TENAX **LBO SAMP** geogrids feature consistently high tensile strength and modulus, excellent resistance to construction damages and environmental exposure. Furthermore, the geometry of TENAX **LBO SAMP** geogrids allows strong mechanical interlock with the soil being reinforced.

Typical applications

Base reinforcement; reduction of required structural fill; load distribution; reduction of mud pumping; subgrade stabilization; embankment stabilization; slope reinforcement; erosion control mattresses.

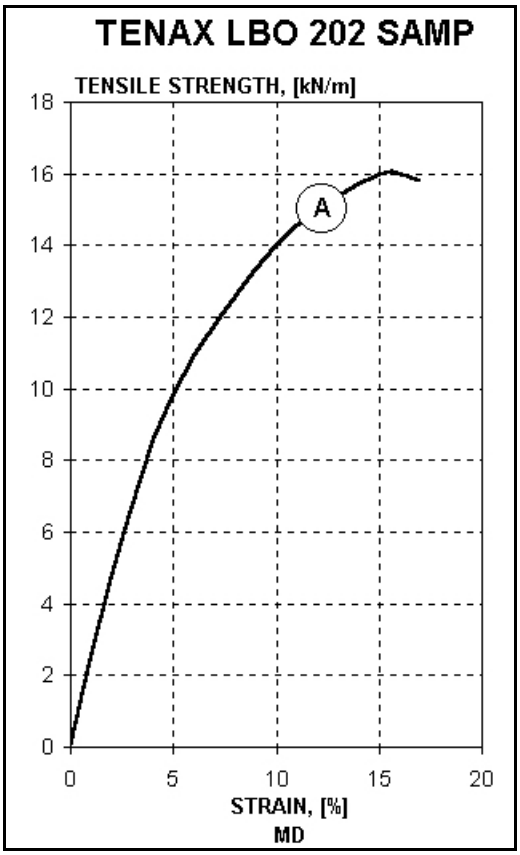
PHYSICAL CHARACTERISTICS	TEST METHOD	UNIT	DATA	NOTES
STRUCTURE			BI-ORIENTED GEOGRIDS	
MESH TYPE			RECTANGULAR APERTURES	
STANDARD COLOR			BLACK	
POLYMER TYPE			POLYPROPYLENE	
CARBON BLACK CONTENT	ASTM D4218		2.0%	
PACKAGING	ISO 10320		ROLLS IN POLYETHYLENE BAGS WITH I.D. LABEL	

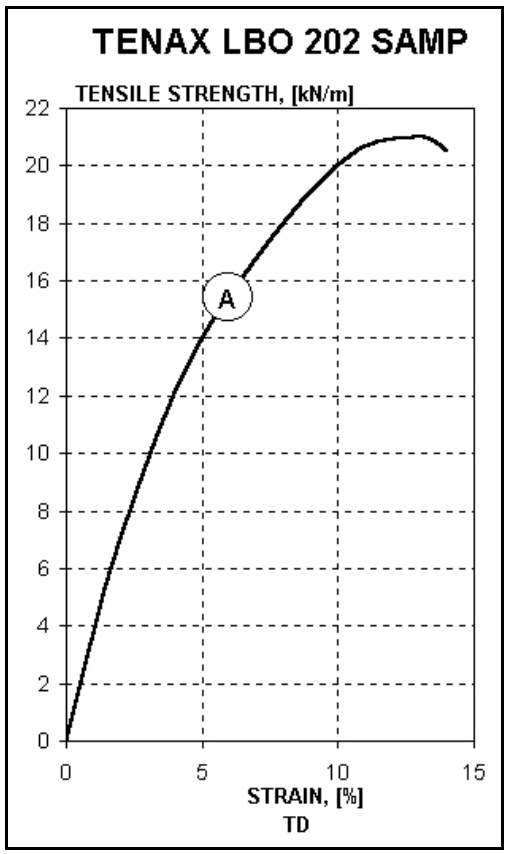
DIMENSIONAL CHARACTERISTICS	TEST METHOD	UNIT	LBO 202 SAMP	NOTES
APERTURE SIZE MD		mm	27	b,d,e
APERTURE SIZE TD		mm	37	b,d,e
MASS PER UNIT AREA	ISO 9864	g/m²	210	b
ROLL WIDTH		m	4.0	b
ROLL LENGTH		m	100.0	b
ROLL DIAMETER		m	0.35	b
ROLL VOLUME		m³	0.50	b
GROSS ROLL WEIGHT		kg	91.5	b

TECHNICAL CHARACTERISTICS	TEST METHOD	UNIT	LBO 202 SAMP		NOTES
			MD	TD	
STRENGTH AT 2% STRAIN	ISO 10319	kN/m	4.5	6.6	b,c,d
STRENGTH AT 5% STRAIN	ISO 10319	kN/m	9.5	13.5	b,c,d
PEAK TENSILE STRENGTH	ISO 10319	kN/m	13.0	20.5	a,c,d
YIELD POINT ELONGATION	ISO 10319	%	16.0	13.0	b,c,d
JUNCTION STRENGTH	GRI-GG2	kN/m	11.7	18.5	a,d

NOTES:
a) 95% lower confidence limit values, ISO 2602
b) Typical values
c) Tests performed using extensometers
d) MD: machine direction (longitudinal to the roll)
TD: transverse direction (across roll width)
e) Aperture Tolerance: ± 3mm

Typical Tensile Characteristics





GEOGRID TYPE:

A = TENAX **LBO 202 SAMP**

0799-CPD-25

The TENAX Laboratory has been created in 1980 and has been continuously improved with the purpose of assuring unequalled technical development of the products and accurate Quality Control,

The TENAX Laboratory can perform mechanical, hydraulic and durability tests, according to the most important international standards like ISO, CEN, ASTM, DIN, BSI, UNI.

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