

Biaxially Stretched Geogrid

Item	Tensile Strength () KN/M	Tensile Strength at 2% Elongation () KN/M	Tensile Strength at 5% Elongation () KN/M	Nomianal Elogation
TGSG15-15	15	5	7	15.0/13.0
TGSG20-20	20	7	14	
TGSG25-25	25	9	17	
TGSG30-30	30	10.5	21	
TGSG35-35	35	12	24	
TGSG40-40	40	14	28	
TGSG45-45	45	16	32	
TGSG50-50	50	17.5	35	

The longitudinal and transverse tensile strength are the same.

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PP Uniaxial Stretched Geogrid

Item	Tensile Strength () KN/M	Tensile Strength at 2% Elongation () KN/M	Tensile Strength at 5% Elongation () KN/M	Nomianal Elogation
TGD35	35	10	22	10
TGD50	50	12	28	
TGD80	80	26	48	
TGD120	120	36	72	
TGD160	160	45	90	
TGD200	200	56	112	
TGD260	260	73	146	

The longitudinal and transverse tensile strength are the same.

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HDPE Uniaxial Stretched Geogrid

Item	Tensile Strength () KN/M	Tensile Strength at 2% Elongation () KN/M	Tensile Strength at 5% Elongation () KN/M	Nomianal Elogation
TGD35	35	7.5	21.5	11.5
TGD50	50	12	23	
TGD80	80	21	40	
TGD120	120	33	65	
TGD160	160	47	93	
TGD200	200	70	140	

The longitudinal and transverse tensile strength are the same.

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Fiberglass Geogrid

Item	Tensile Strength () KN/M	Nomianal Elogation	Width of mesh
GSB30-30	30	10	12.7-25.4 mm
GSB40-40	40		
GSB50-50	50		
GSB80-80	80		
GSB100-100	100		
GSB125-125	125		
GSB150-150	150		

The longitudinal and transverse tensile strength are the same.

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Biaxial Warp Knitted Geogrid

Item	Tensile Strength () KN/M	Tensile Strength at 2% Elongation () KN/M	Tensile Strength at 5% Elongation () KN/M	Nominal Elongation
GSJ30-30	30	10	20	10
GSJ40-40	40	20	25	
GSJ50-50	50	17	34	
GSJ60-60	60	22.5	40	
GSJ80-80	80	28	56	
GSJ100-100	100	35	70	
GSJ120-120	120	60	90	
GSJ150-150	150	52	104	

The longitudinal and transverse tensile strength are the same.

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Biaxial Steel Plastic Geogrid

Item	Tensile Strength () KN/M	Tensile Strength at 1% Elongation () KN/M	Limit Peel Force at Welded Bonded Point () N	Elongation Rate (LD TD)
GSZ30-30	30	20	100	2
GSZ40-40	40	32		
GSZ50-50	50	40		
GSZ60-60	60	48		
GSZ80-80	80	63		
GSZ100-100	100	81		
GSZ150-150	150	125		

The longitudinal and transverse tensile strength are the same.

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