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Product Specification Sheet

A.G.A. Uniaxial Geo-Grids

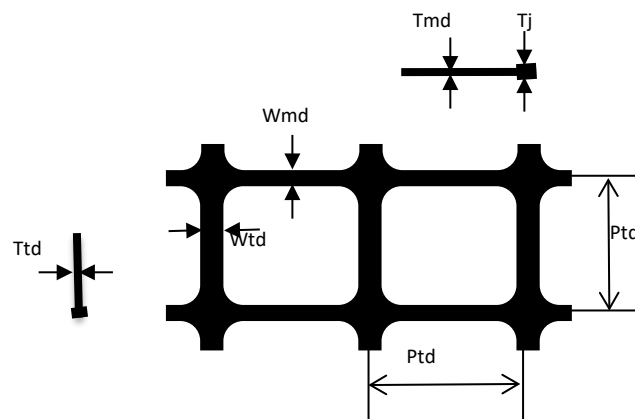
High density polyethylene (HDPE) uniaxial geogrid offering low strain and high strength under constant load.

Properties

Typical Dimensions (mm)

Product	Tensile Strength (kN/m)	Load at 2% Strain (kN/m)	Load at 5% Strain (kN/m)	Typical Strain at Peak Load (%)	Ultimate Creep Limited @ 120 Years (kN/m)			Amd	Atd	Bw	Sw	Tb	Tr	Pnom
					10°C	20°C	30°C							
AGA U50R	54.0	12.7	24.7	11.5	24.1	21.7	19.5	225.0	16.0	18.0	6.0	2.1	0.6	235
AGA U65R	68.7	16.1	30.9	11.5	30.6	27.6	24.8	230.0	16.0	18.0	6.0	2.9	0.8	245
AGA U90R	90.0	23.7	45.2	11.5	40.2	36.2	32.6	240.0	16.0	18.0	6.0	4.1	1.1	255
AGA U110R	112.0	29.9	56.5	11.5	49.9	45.0	40.5	240.0	16.0	18.0	6.0	5.0	1.3	255
AGA U130R	141.9	38.0	75.5	11.5	63.3	57.0	51.3	245.0	16.0	18.0	6.0	5.6	1.6	255
AGA U170R	176.0	52.5	103.0	11.5	75.8	68.3	61.5	245.0	16.0	18.0	6.0	7.4	2.0	255

	Roll Size	Weight KG/m ²
AGA U50R	1x 50/100	0.30
AGA U65R	1x 50/100	0.40
AGA U90R	1x 50/100	0.55
AGA U110R	1x 50	0.70
AGA U130R	1x 50	0.80
AGA U170R	1x 5	1.10



Note 1 Measured in accordance with ISO10319 at 20 ± 2°C; calculated as the 95% lower confidence limit in accordance with ISO2602 1980 (BS 2846 Part 2 1981).
 Note 2 Calculated from data obtained in accordance with ISO13431; creep strength predicted for 120 years design life, taking into account of prediction and production.
 Note 3 For in-soil design temperatures as shown.
 Note 4 In accordance with BS2782 Part 4, Method 452B, 1993.

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