



**GEOQUEST**



**ArmaLynk – PET<sub>HS</sub>**

HIGH STRENGTH SOIL REINFORCEMENT GEOSYNTHETICS





## Technical Properties-Ultra high strength

Grade	Units	AL <sub>PET</sub> 1200	AL <sub>PET</sub> 1250	AL <sub>PET</sub> 1300	AL <sub>PET</sub> 1350	AL <sub>PET</sub> 1400	AL <sub>PET</sub> 1450	AL <sub>PET</sub> 1500	AL <sub>PET</sub> 1550	AL <sub>PET</sub> 1600
<b>Mechanical Properties</b>										
Nominal Tensile Strength	kN/m	1200	1250	1300	1350	1400	1450	1500	1550	1600
Elongation at Nominal Strength	%	10								
Partial Reduction Factor - Creep <sup>i</sup>	@20°C	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
Partial Reduction Factor - Installation Damage	<5mm	1	1	1	1	1	1	1	1	1
	<32mm	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
	<125mm	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Partial Reduction Factor - Environmental Effects <sup>i,ii</sup>	-	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
<b>Physical Properties</b>										
Polymer on the tensile element (MD) <sup>iii</sup>	-	High Tensile Polyester (HT-PET)								
Polymer sheathing on the tensile element (MD) <sup>iii</sup>	-	Linear Low-Density Polyethylene								
Roll Length <sup>iv</sup>	m	50	50	50	50	50	50	50	50	50
Roll Width <sup>iv</sup>	m	≤6								
Weight of Roll <sup>iv,v</sup>	kg	956	956	956	956	956	956	956	956	956

- i. Reduction Factor are at 20°C and for 114 years design life.
- ii. Partial factors - environmental effects are valid for pH range of 3.0 to 9.0.
- iii. MD: Machine Direction.
- iv. Length, width and weight are estimated values. Customized lengths and width are available upon request.
- v. Roll weight includes the core weight.

**NOTES**

A. Properties are subject to change without notification. Please contact us for the latest update on the specifications.

B. The property values listed above are effective: July 2021.

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Local Contact: .....

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