Scope

This specification designates the requirements for knitted sleeves of polyester geotextile which can be used as “sock” over Prinsco pipe.

Characteristics

The knitting process produces uniformly sized drainage openings, permitting exceptionally high water flow rates. Since sock is seamless, it does not require edge-joining by gluing or ultrasonic welding. The polyester is resistant to environmental degradation in service by rot, mildew, chemical attack, and insects.

The pre-installed filter fabric shall be a circular-knit geotextile fabric and meets or exceeds the following properties in accordance with ASTM D6707 – *Standard specification for Circular Knit Geotextile Fabrics for Use in Sub-surface Drainage Applications*.

“Type A” sock is all white and most commonly used for agricultural and residential applications. “Type H” sock is white with red stripes and most commonly used for highway or DOT applications when necessary.

Table 1: ASTM D6707 Knitted Sock Characteristics

Characteristic	Units	ASTM Test Method	Value	
			Type A	Type H
Water Permittivity	sec^{-1} (min.)	D4491	2.4	2.75
AOS	US Sieve (max.)	D4751	30	40
	mm (max.)		0.600	0.425
Puncture Strength	lbs (min.)	D6241	180	215
	N (min.)		800	950
Appearance	--	--	All White	White w/ Red Stripes

Method of Application to Pipe

Sock is applied around the corrugated plastic pipe as the final step in the pipe production process. A specified sock diameter is used for each pipe diameter. Bulk sock is also available for installation in the field.