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**HIGHWAY GRADE SOCK™ GEOTEXTILE
 PERFORMANCE DATA GUIDE**

Revision 0017B
 Effective January 2023
 Supersedes Revision 0016B, January 2022

FABRIC PROPERTY	Test Method	Unit of Measure	<small>ASTM D6707-06 Requirements for Type "H" Fabrics</small>	FL-04289C For nominal 4" (100mm) dia. pipes	FL-04188C For nominal 6" (150mm) dia. pipes	FL-04485C For nominal 8" (200mm) dia. pipes	FL-04549C For nominal 10" (250mm) dia. pipes	FL-04556C For nominal 15" (380mm) dia. pipes	FL-04557C For nominal 18" (450mm) & 24" (600mm) dia. Pipes	FL-00520C For nominal 30" (750mm) & 36" (900mm) dia. Pipes	FL-04369 For nominal 4" (100mm) dia. pipes	FL-04370 For nominal 6" (150mm) dia. pipes
AOS (Apparent Opening Size) <small>(See Note 1 Below)</small>	ASTM D4751 accordance with D6707	(in) mm US Sieve	0.425 40	0.425 40	0.425 40	0.425 40	0.425 40	0.425 40	0.425 40	0.425 40	0.300 50	0.300 50
PUNCTURE STRENGTH <small>(See Note 1 Below)</small>	ASTM D6241 accordance with D6707	(in) N pound-force	800 180	1200 270	1200 270	1200 270	1200 270	1400 310	1400 310	1400 310	950 213	1100 247
PERMITTIVITY <small>(See Note 1 Below)</small>	ASTM D4491 accordance with D6707	(in) s ⁻¹	2.75	5.0	5.0	4.0	4.0	3.0	3.0	2.75	2.75	2.75
FOS (Filtration Opening Size)	(max) CAN/CGSB-148.1 No10-94	microns		n/a	n/a	n/a	n/a	n/a	n/a	n/a	250	250
BURSTING STRENGTH (Mullen)	(min) ASTM D3786	kpa psi	900 130	900 130	900 130	900 130	900 130	900 130	900 130	900 130	800 115	800 115
WATER FLOW RATE	(min) ASTM D4491 (modified) 2" constant head	US gal / min / ft ² litres / min / m ²	300 12220	300 12220	300 12220	300 12220	300 12220	225 9160	225 9160	175 7130	185 7540	185 7540
APPLIED FABRIC WEIGHT <small>(based on manufacturers recommended application rates)</small>		oz. / yd ² gm / m ²	3.5 118	3.5 118	3.5 118	3.5 118	3.5 118	4.0 135	4.0 135	4.0 135	3.2 109	3.5 118
FIBER CONTENT		Polyester		100%	100%	100%	100%	100%	100%	100%	100%	100%
FABRIC CONSTRUCTION		Circular Knitted Fabric Structure		Yes Lacoste Knit	Yes Lacoste Knit	Yes Lacoste Knit	Yes Lacoste Knit	Yes Lacoste Knit	Yes Lacoste Knit	Yes Lacoste Knit	Yes Terry Knit	Yes Terry Knit
FABRIC COLOR IDENTIFICATION COLOR CODE				White Red Stripe	White Red Stripe	White Red Stripe	White Red Stripe	White Red Stripe	White Red Stripe	White Red Stripe	White Black Stripe	White Black Stripe

NOTES;

- 1) Carriff Engineered Fabrics Corporation and its subsidiaries support the use of ASTM D6707 "Standard Specification for Circular-Knit Geotextile for use in Subsurface Drainage Applications" protocol when evaluation of their fabrics are undertaken. The reporting of additional fabric properties are provided for information purposes only.
- 2) Values reported are based on independent laboratory evaluation and are considered to be true and accurate.
- 3) The manufacturer certifies that all values provided are indicative of the fabrics properties at the time of manufacture and shipment to the original purchaser only. This certification is not transferable. Any required certifications of compliance to a specific characteristic are the responsibility of the final seller of the fabric.
- 4) Product SKU's containing the suffix "C" are certified as being manufactured in Midland, North Carolina, U.S.A. by Carriff Corporation. Product SKU's not containing the suffix "C" are manufactured in London Ontario Canada by Carriff Canada. Both firms are wholly owned subsidiaries of Carriff Engineered Fabrics Corporation.
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TYPE "A" CIRCULAR-KNITTED SOCK™ and DRAIN-SLEEVE® GEOTEXTILES

PERFORMANCE DATA GUIDE

REVISION 014 Effective January 2023
 Supersedes Data Sheet REVISION 013 January 2022

		Test Method	TYPE "A" "White" or "Black" SOCK™ and DRAIN-SLEEVE® Geotextile Fabrics
<i>TESTED IN ACCORDANCE WITH ASTM D6707 "Standard Specification for Circular-Knit Geotextile for use in Subsurface Drainage Applications"</i>			
Permittivity	(min.)	ASTM D4491	4.5 sec ⁻¹
Puncture Resistance	(min.)	ASTM D6241	1000 N
AOS	(max.)	ASTM D4751	.600 mm 30 U.S. Sieve
ADDITIONAL INFORMATION			
FOS	(max.)	CAN/CGSB-148.1, M10-94)	450 microns
Mass	(relaxed)	ASTM D3887	2.8 - 3.9 oz/yd ² 95 - 135 gm/m ²
Mass	(applied minimum)		2.6 - 3.5 oz/yd ² 90 - 120 gm/m ²
Thickness	(min.)	ASTM D4491	.75 mm
Permeability (K)	(min.)	ASTM D4491	.390 cm/sec
Burst Strength	(min.)	ASTM D3786	760 kpa
Water Flow Rate	(min.)	ASTM D4491 (2" constant head)	300 U.S. gal/min/ft. ²
Fiber Content			polyester 100%
Yarn Denier			150
Specific Gravity			1.3
Melt Temperature			450 ⁰ F (230 ⁰ C)

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