



SiO™

The medical performance grade silicone™

This is an up-to-date spec sheet. This pattern never contained flame retardant, anti-bacterial, or anti-microbial additives.

Fusion

SURFACE COMPOSITION	100% SiO™ Silicone
SUBSTRATE COMPOSITION	100% Polyester
WEIGHT	28 oz per linear yard
WIDTH	54"
THICKNESS	1.10 mm

ADDED PERFORMANCE SPECIFICATIONS

STAIN RESISTANCE	Yes	
UV RESISTANCE	1300 Hours	ASTM G154-06
COLORFASTNESS TO LIGHT	500 Hours	AATCC 16.3-2014, Option 3
BLEACH RESISTANCE	Yes, 10% Dilution	
ANTI-BACTERIAL	Pass	AATCC 147-11
COLD CRACK	-20° F	CFFA-6a-2010
DENIM DYE TRANSFER RESISTANCE	Yes	Ford BN 112-09
SULFIDE STAIN RESISTANCE		
CYTOTOXICITY	Degree 0	ISO 10993-5
SALT SPRAY RESISTANCE	1,000+ Hours	ASTM B117
INK RESISTANCE	Yes	
ISOPROPYL ALCOHOL RESISTANCE	Yes, 70% Dilution	

PHYSICAL PERFORMANCE SPECIFICATIONS

ABRASION RESISTANCE	215,000 Double Rubs*	ASTM D4157-13
BREAKING STRENGTH	112 Warp, 119 Fill	ASTM D751-00
COATING ADHESION	Full Bond Warp, Full Bond Fill	ASTM D751-06
CROCKING RESISTANCE	5 Dry, 5 Wet	AATCC 8-2016
FLEX RESISTANCE	25,000+	ASTM D2097-03
TEAR STRENGTH: TONGUE TEAR	11.6 Warp, 8.2 Fill	ASTM D751-06
SEAM STRENGTH: TACK TEAR	85.9 Warp, 70.1 Fill	ASTM D751-06
STRETCH AND SET	Warp 6.9% Stretch, 0% Set Fill 54.4% Stretch, 3.5% Set	SAE J855-2009

**Abrasion test results exceeding ACT Performance Guidelines are not an indicator of product lifespan.*

FLAME RETARDANCY SPECIFICATIONS

CALIFORNIA TECHNICAL BULLETIN 117:13	Pass
UFAC CLASS I	Pass
NFPA 260	Pass
IMO 2010 FTP CODE, PT. 8	Pass
ASTM E84 (ADHERED & UNADHERED)	Pass
BS 5852: 2006 Crib 5	Pass
FMVSS 302	Pass

REDUCED ENVIRONMENTAL IMPACT

THIS PRODUCT DOES NOT POSE ANY EXPOSURE RISKS ASSOCIATED WITH THE CHEMICALS IN PROP 65
 NO ADDED FLAME RETARDANT CHEMICALS - AB2998 COMPLIANT
 NO ADDED ANTI-BACTERIAL CHEMICALS
 PHTHALATE FREE
 LEAD / HEAVY METAL FREE
 BPA FREE / TRIS FREE / FORMALDEHYDE FREE
 DOES NOT CONTAIN CONFLICT MINERALS



Disclaimer: This product meets the Healthy Interior goals of the Safer Chemical Challenge according to the manufacturer Practice Greenhealth does not verify this information.



*ACT® Registered Certification Marks