



Product Specification Sheet

– Polysil (v081022)

781.767.4511 | www.EastexProducts.com

Product Polysil

Description Polysil is the latest environmentally sound leather alternative to vinyl and polyurethane. It is a new coated fabric made from silicone and polycarbonate without PVC or solvents. Polysil is made with no heavy metals and is REACH, RoHS and CA Prop 65 compliant. This fabric has passed Biocompatibility testing for ISO 10993-5. Mold and mildew resistance is inherent in construction.

- Key Features**
- Brushed non-woven back
 - Highly conformable to complex shapes
 - Stain and fluid resistant
 - Cleanable
 - Advanced solvent- and phthalates-free technology
 - Does not promote mold or mildew
 - No heavy metals, BPA, plasticizers
 - RoHS, REACH, and CA Prop 65 compliant

Color # Black (#62001), Gray (#62000)

Width 54"

Length 30 yds

Thickness 1.2 mm

Weight 720 gsm

Composition 10% silicone, 50% polycarbonate, 40% polyester backing

Test/Property	Unit/Standard	Results
Tensile Strength (3cm)	GB/T 4712-2014	Warp (N) ≥ 350
	GB/T 4712-2014	Weft (N) ≥ 350
Tearing Strength	GB/T 4712-2014	Warp (N) 32.3
	GB/T 4712-2014	Weft (N) 26.5
Peeling Strength (3cm)	GB/T 4712-2014	Warp (N) 44
	GB/T 4712-2014	Weft (N) 43
Elongation at Break	GB/T 4712-2014	Warp (%) 64.7
	GB/T 4712-2014	Weft (%) 93.3

Test/Property	Unit/Standard	Results
Fastness to Rubbing	GB/T 4712-2014	Wet \geq Grade 4
	GB/T 4712-2014	Dry \geq Grade 4
Hydrolysis Resistance	Jungle Test	\geq 5 weeks
Martindale Abrasion	ASTM D4966	> 150,000 cycles
Biocompatibility	ISO 10993-5	Pass