



Product Specification Sheet

Part # 62000

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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 (Polyvinyl Chloride) 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, Brushed non-woven back

Key Features

- Fluid and stain resistant
- No Heavy Metals, BPA, Plasticizers
- RoHS, REACH and CA Prop 65 Compliant
- Brushed non-woven backing
- Advanced solvent-and phthalates-free technology
- Cleanable
- Highly conformable to complex shapes

Applications

- Medical and Healthcare
- Sporting Goods
- Luggage, Bags, Backpacks, Tents
- Military, Tactical
- Law Enforcement

Color Grey/Grey Backing

Width 54"

Length 30 yd

Thickness 1.2 mm

Weight 720 gsm

Composition 10% Silicone, 50% Polycarbonate, 40% Polyester Backing

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

Test/Property	Method	Unit/Standard	Results
Hydrolysis Resistance	Jungle Test		≥ 5 weeks
Biocompatibility	ISO 10993-5		Pass
Martindale Abrasion	ASTM D4966		>150,000 cycles
Fastness to Rubbing	GB/T4712-2014	Wet	≥ Grade 4
		Dry	≥ Grade 4