

POLAR BO

POLAR BLACKOUT FR

 **SHADES BY MATISS**



ARCTIC



HIGHLAND



MYSTIC



SALT LAKE



OASIS



SEDONA



ABYSS

Polar Blackout with Greenguard Gold certification, it significantly enhances its appeal for commercial applications, positioning itself as the ultimate choice for those who prioritize both aesthetic excellence and a safe, healthy indoor environment. Featuring an elegant plain weave pattern with a subtle soft texture and a blackout backing that enhances energy efficiency. Additionally, its fire retardant properties make it an ideal choice to meet diverse construction requirements for new builds.

POLAR BO FR

BLACKOUT ROLLER SHADE CLOTH

SPECIFICATIONS

Property	Value	POLAR BO FR
General	Standard Roll Length	30 yards
General	Fire Retardant	NFPA 701-2023 Small Scale Test
General	Composition	100% Polyester with Acrylic Coating
General	Thickness	0.0189 in ±5% (ISO 2286-3)
General	Weight	10.32 oz/yd ² ±5% (ISO 2286-2)
General	Width	118 inches
General	Weave	Plain
General	Openness Factor	0%
Performance	Light Fastness	≥ 6 (Scale of 8), ISO 105-B02
Performance	Tear Strength	Warp < 85 N/5cm, Weft < 60 N/5cm (ISO 4674)
Performance	Breaking Strength	Warp < 1750 N/5cm, Weft < 1100 N/5cm (ISO 13934-1)
Performance	Elongation at Break	Warp < 30%, Weft < 24% (ISO 13934-1)
Performance	UVA	100%
Performance	UVB	100%
Certifications	GREENGUARD Gold	Certified
Certifications	OEKO-TEX	Certified
Certifications	RoHS (EU) 2015/863	Compliant
Certifications	Printable	Yes
Certifications	UV Resistant	Yes
Certifications	VOC Free	Yes
Certifications	PFAS Free	Yes
Certifications	PVC Free	Yes
Certifications	Lead Free	Yes
Certifications	GB18586-2001	Compliant
Certifications	EN71 Part 3:1994	Compliant
Certifications	AATCC 112-2014	Compliant

Fabric	Side	Solar Transmittance (Ts)	Solar Reflectance (Rs)	Solar Absorptance (As)	Visible Transmittance (Tv)	Visible Reflectance (Rv)	Visible Absorptance (Av)	UV Transmittance (Tuv)	Openness Factor (OF)
Polar	Front	0	74.3	25.7	0	85	15	0	0

Fabrication Methods

Crush, Cold
Welding / Bonding Tape
Railroading Not Recommended

Applications

Roller Shades, Panel Blinds

Warranty 5 years

Care & Cleaning

Dust can be removed from the fabric by vacuum cleaning or soft duster. Light stains can be removed with a sponge and soapy water. Avoid using detergents, solvents as it may cause damage to the coating of the fabric.

