

WeatherMAX[™] 80

Technical Data Sheet

Revised: 08/2020

Fiber: 100% Solution-Dyed SaturaMAX w/ ultra-high UV & pigments

Finish: exclusive HydroMax+ water repellent (no coating)

Property	Method	Basis	Nominal Value	
Construction				
Fabric Weight	ASTM D 3776	ounces / Sq Yd		7.9
Thickness	ASTM D 1777	millimeters		0.41
Finished Fabric Width	ASTM D3774	inches		60
Water resistance / Breathability				
Hydrostatic Test	AATCC 127	centimeters		54
Rain Test - 2 minutes / 600 mm	AATCC 35	grams		0.007
Spray (Large)	AATCC 22	rating	front back	100 100
Bundesmann Rating	BS EN 29865	grade 1-5		5
Bundesmann Wetting	BS EN 29865	percent		3.2
Bundesmann Water Penetration	BS EN 29865	ml		0
Water repellency	AATCC 193	grade 1-6		6
Oil Repellency	AATCC 118	grade 1-6		5
Air Permeability	ASTM D737	cfm		1.3
Wick	SAE J913	inches	warp / fill	0
Strength / Durability				
Break Strength	ASTM D5034	lbs.	warp	490
			fill	390
			45 degree	530
Mullen Burst	ASTM D 3786	lbs.		420
Tear Strength - Trap	ASTM D2261	lbs.	warp	69
			fill	32
Tear Strength - Tongue	ASTM D2261	lbs.	warp	20
			fill	18
Wyzenbeek Abrasion - Wire Screen	ASTM D4157	cycle	warp	50,000+
			fill	50,000+
UV Resistance / Protection				
UPF (Ultraviolet Protection Factor)	AATCC 183			50+
UVA & UVB (Ultraviolet Blockage)	AATCC 183			Over 99%
Colorfastness (1500 hours)	AATCC 169 option1	grade 1-6		4 - 6
Dimensional Stability				
Elongation before break	ASTM D 5034	percent	warp	48
			fill	38
			45 degree	60
Shrinkage 5 washings	AATCC 135	percent	warp	2.5
			fill	0
Abrasiveness / Handling				
Circular Bend Stiffness	ASTM D4032	unit	18	6.5
Dynamic Friction	ASTM D 1894	newtons	warp	0.13
			fill	0.15
Static Friction	ASTM D 1894	newtons	warp	0.36
			fill	0.3
Seam Slippage	ASTM D 434		fill - fill	57
			warp - warp	51
			warp - fill	30
Temperature				
Cold Crack -40 degrees	ASTM D 1912			pass
Shrinkage Point			degrees F	225+
Melting Point			degrees F	470+

Other test results available upon request

Elevate Textiles[™]

