

# WeatherMAX<sup>TM</sup> 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
<b>Construction</b>				
Fabric Weight	ASTM D 3776	ounces / Sq Yd		7.9
Thickness	ASTM D 1777	millimeters		0.41
Finished Fabric Width	ASTM D3774	inches		60
<b>Water resistance / Breathability</b>				
Hydrostatic Test	AATCC 127	centimeters		65
Rain Test - 2 minutes / 600 mm	AATCC 35	grams		0.007
Spray (Large)	AATCC 22	rating	front	100
			back	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
<b>Strength / Durability</b>				
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+
<b>UV Resistance / Protection</b>				
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
<b>Dimensional Stability</b>				
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
<b>Abrasiveness / Handling</b>				
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
<b>Temperature</b>				
Cold Crack -40 degrees	ASTM D 1912			pass
Shrinkage Point			degrees F	225+
Melting Point			degrees F	470+

Other test results available upon request

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