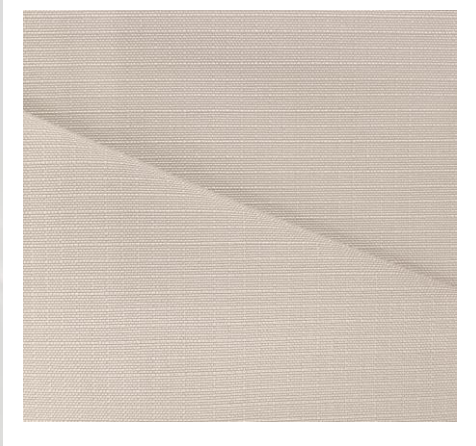


MACKINTOSH® MONORIPSTOP

100% Polypropylene
155 gsm | Woven Ripstop

Fabric Name:	MACKINTOSH® MONORIPSTOP
Model:	22B146-3
Color:	Classic Canvas
Denier:	225D
Fabric Weight:	155 gsm
Composition:	100% Polypropylene
Width:	60
Weave:	Woven Ripstop
Application:	Cycling, Camping, and Backpacks: Backpacks, Gear
Warp:	225D DTY
Weft:	250D ATY



Product Characteristics

Test Description	Protocol	Results
Dimensional Stability to Washing	ISO 3759-2011	TBD
Abrasion Resistance	ISO 12947-2	20000
Pilling Resistance	ASTM D4970 ISO 12945-2	TBD 15000
Tear Strength Warp/Weft	ASTM D2261	53N/43N
Color Fastness to Washing	ISO105-C06	4<>5
Color Fastness to Rubbing	ISO105-X12	4<>5
Color Fastness to Light	ISO105-B02	7-8 (800 hours)
Rain Test	AATCC 35	<0.1
Spray Test	AATCC 22	90<>100
Water Repellency	ISO 4920	5
Water Repellency After Wash	ISO 9865/6330	4.5
Hydrostatic Head Pressure (Before/After Wash)	AATCC 127	290 TBD
Hydrostatic Head Pressure (Before/After Wash)	JIS L 1092	TBD TBD
Bundesmann Average Water Absorption	ISO 9865	TBD
Bundesmann Average Visual Grade	ISO 9865	TBD
Bundesmann Wetting to Underside	ISO 9865	TBD
Bundesmann Average Penetration	ISO 9865	TBD

HIGG MSI			CO2 Emissions (CO2e/kg		7.06
Global Warming	Eutrophication	Water Scarcity	Resource Depletion	Chemistry	
8.95	8.95	0.852	11	6.83	