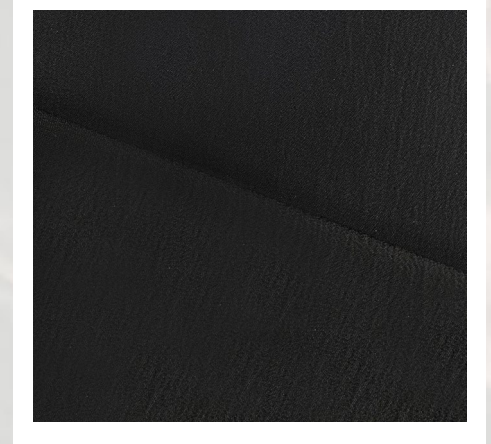


MACKINTOSH® AIR STRETCH X XLANCE®

90% Polypropylene, 10% Elastolefin

145 gsm | Woven Twill

Fabric Name:	MACKINTOSH® AIR STRETCH X XLANCE®
Model:	24C050
Color:	Black
Denier:	81D FDY + 42DXlance
Fabric Weight:	145 gsm
Composition:	90% Polypropylene, 10% Elastolefin
Width:	60
Weave:	Woven Twill
Application:	Outdoor Sportswear: Jackets, Pants
Warp:	81D FDY + 42DXlance
Weft:	81D FDY + 42DXlance



Product Characteristics

Test Description	Protocol	Results
Dimensional Stability to Washing	ISO 3759-2011	TBD
Abrasion Resistance	ISO 12947-2	TBD
Pilling Resistance	ASTM D4970 ISO 12945-2	TBD TBD
Tear Strength Warp/Weft	ASTM D2261	N/A
Color Fastness to Washing	ISO105-C06	TBD
Color Fastness to Rubbing	ISO105-X12	TBD
Color Fastness to Light	ISO105-B02	TBD
Rain Test	AATCC 35	TBD
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	TBD 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)		TBD
Global Warming	Eutrophication	Water Scarcity	Resource Depletion	Chemistry
TBD	TBD	TBD	TBD	TBD