

Modified polyester fabric

MAWUS™

since 1980

"MAWUS™" was born in 1980. It's more comfortable than regular polyester thanks to KOMATSU MATERE's original technology in polyester property modification.

Multi purpose

Anti-static

Water absorption & quick dry

Ultra washable

Soil release



MAWUS™' original property modification technology

Polyester is hydrophobic, but its' surface can be modified to hydrophilic by using graft polymerization technology. Polyester fabric can obtain antistatic, water absorption, quick drying and soil release properties through this finishing.



Anti-static



Water absorption



Quick dry



Washing durability



Soil release

Function

Test method

Standard value

Anti-static	Friction-charged electrostatic potential	Initial stage $\leq 500V$, 100HL $\leq 3000V$
Water absorption	Dropping test	Initial stage $\leq 10sec.$, 100HL $\leq 10sec.$
Quick dry	Residual moisture percentage *original testing method	Initial stage $\leq 45min.$, 100HL $\leq 60min.$
Soil release	DAIYAPESTO *original testing method	Initial stage $\geq 3rd$ grade, 100HL $\geq 2nd$ grade

*Based on laboratory conditions. Actual performance may differ depending on the washing method.

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聚酯改良加工面料

MAWUS™

since 1980

「MAWUS」品牌面料诞生于1980年，采用小松美特料公司独创的聚酯改性技术，将聚酯材料变得更加舒适。

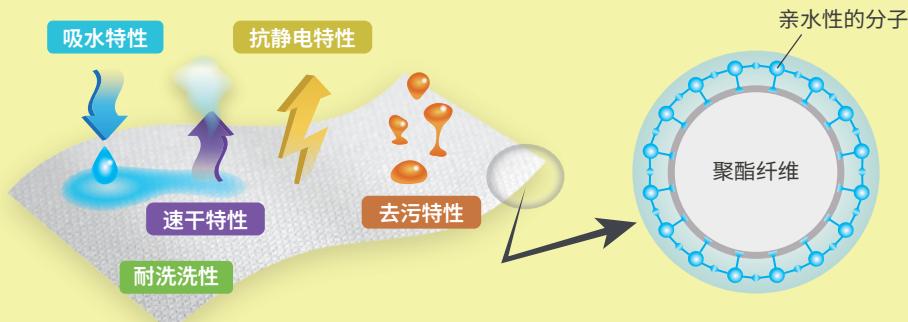
Multi purpose
[多用途]

Anti-static
[抗静电特性]

Water absorption & quick dry
[吸水速干特性]

Ultra washable
[耐洗性]

Soil release
[去污特性]



MAWUS™的独创改性加工技术

聚酯纤维本具有不亲水的性质。但是，通过使用了重合加工技术，使得聚酯纤维表面的特性改变成了亲水的性质；也因此，能够发挥出"抗静电特性"、"吸水速干特性"和"去污特性"等特性。此外，还兼具出色的"耐洗性"，可以长期保持各种功能的效果。



抗静电



吸 水



速 干



耐 洗



去 污

功能	实验方法	规格数值
抗静电特性	JIS L 1094 摩擦带电压	初始值≤500V, 100HL≤3000V
吸水特性	JIS L 1907 滴下方法	初始值≤10sec., 100HL≤10sec.
速干特性	KMS-1-54 残留水分率 *社内检测	初始值≤45min., 100HL≤60min.
去污特性	KMS-1-18 *社内检测	初始值≥3 级, 100HL≥2 级

* 根据实验室条件所得，实际性能会因洗涤方式变化。

