KITOEM / MATERIAL DECISION TOOL

Sportswear Fabric Specification Guide

Three source-backed candidate records for a garment sample discussion. These references are not a default bill of materials for any product.

Reference	Composition	Nominal weight	Catalogue structure	Finished-garment question	Evidence boundary
B09	100% polyester	140 g/m2	Double-face	Review drape, coverage and artwork on the finished garment.	Owner-confirmed catalogue record; laboratory identity, report, method and individual results not supplied.
C04	95% polyester / 5% elastane	160 g/m2	Textured	Review movement, recovery requirement and print compatibility.	Owner-confirmed catalogue record; laboratory identity, report, method and individual results not supplied.
A01	92% polyester / 8% elastane	190 g/m2	Geometric jacquard	Review whether the surface pattern supports the artwork and garment structure.	Owner-confirmed catalogue record; laboratory identity, report, method and individual results not supplied.

Important boundary

g/m2 is mass per unit area. It does not establish air permeability, drying, recovery, opacity, colourfastness or durability. Confirm the identified physical sample, decoration route, finished garment and claim-specific test evidence before approval.

Product route

Use these three references as candidates for KR-MT-001 Football Match Shirt discussion. The selected fabric, current supply, colour, finish and final specification remain project-specific.

SAMPLE REVIEW CHECKLIST

Turn the material record into a garment decision

1. Identify the reference	Keep the material ID on the swatch, sample and approval record.
2. Keep specification fields separate	Record composition, nominal g/m2 and structure without converting them into performance claims.
3. Build the intended garment	Use the same pattern, artwork and underlayer when comparing candidate fabrics.
4. Review what the buyer can actually observe	Check drape, coverage, surface interaction with graphics and movement in the finished size.
5. Define required evidence	Ask for the applicable method, sample identity, result and acceptance criterion for each required claim.
6. Approve one controlled record	Connect the chosen physical sample, artwork, size chart and garment specification before production release.

Related online resource

https://kitoem.com/resources/sportswear-fabric-specification-guide/