VOLTFEND

Film Insulation Component

Component Specification Example | VF-SP-INS-001 | Revision 1 | 12 October 2026

This example shows the construction inputs we review for a custom component. It is not a measured material TDS or an approved part specification. Final values require the selected grade, drawing, test method and condition.

Item	Specification / option	Confirmation required
Documented scope	Film converting, PET constructions and PET/PI catalog examples	Exact PI grade confirmed individually; FR-PC feasibility reviewed separately
Component options	Die-cut film with optional adhesive, liner or tabs	Folding and forming feasibility confirmed against drawing
Intended position	Conductor cover or defined battery insulation interface	Customer supplies voltage duty, conductor geometry and environment
Electrical data	Exact material grade and thickness required	TDS, test method, conditioning and safety factors reviewed together
Edge coverage	Drawing and assembly tolerance specific	Creepage, clearance and potential assembly damage reviewed by customer
Adhesive	Selected for substrate and operating conditions	Adhesive adds thickness and requires compatibility review

Source basis: factory product profile and supplied component catalog. This document makes no customer installation, certified part or battery test-result claim.

Samples and ordering

VF-SP-INS-001 | Commercial information confirmed by VOLTFEND sales

Item	Specification / option	Confirmation required
Drawing	Customer drawing and revision required	Dimensions, tolerances and cutouts agreed before sampling
Minimum order	No MOQ in principle	Material purchasing quantities and tooling quoted separately where applicable
Sample turnaround	Within 7 days	After drawing, material and sample requirements are confirmed; special procurement checked before order
Sample fee	Charged by batch	Sample batch and freight quoted before proceeding
Production lead time	Confirmed in quotation	Depends on selected material, quantity and approved drawing
Inspection	Drawing-specific dimensional and visual checks	Inspection items and acceptance criteria agreed with customer

Material TDS and sample review

Send the component drawing, intended material grade and operating conditions. We confirm available supplier TDS, construction details and the applicable inspection or test documents before your sample order.

Payment method, currency, production schedule, freight and delivery terms are confirmed in the sales quotation and pro forma invoice.

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