VOLTFEND

# Silicone Compression Component

Component Specification Example | VF-SP-COM-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 |
|---|---|---|
| Component options | Die-cut pad or buffer frame | Outline, loaded area and attachment features specified to drawing |
| Intended position | Cell face, end plate or selected cushioning interface | Define cell swelling, available gap and allowable force |
| Installed strain | Derived from part thickness and assembly gap | Minimum, nominal and maximum gap required |
| Force response | Exact-grade pressure versus strain curve required | Thickness, temperature, speed and conditioning accompany the data |
| Aging | Compression set and stress relaxation specified by application | Test duration, compression and temperature agreed during sample review |
| Material grade | Confirmed before sampling | Thermal silicone and compression silicone are selected for different functions |

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-COM-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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