

SiSiB® BC8001 Buffer Clay

INTRODUCTION

SiSiB® BC8001 is a high-viscosity phenyl silicone-based buffer clay, also known as damper clay. It appears as a grey-colored grease with excellent shear stability and extremely high viscosity. Designed for dynamic damping and sealing under extreme cold conditions, it is widely used in aerospace, rail transport, and other precision mechanical systems.

FEATURES & BENEFITS

- Ultra-high viscosity for superior damping and mechanical stability
- Wide phenyl content range enhances temperature and chemical resistance
- Flexible at ultra-low temperatures, usable down to -120°C
- Grey grease consistency, non-flowing, easy to apply
- Excellent shear stability, maintains structure under dynamic stress
- Non-curing, reworkable over time

PHYSICAL PROPERTIES

Appearance	Clear liquid
Color	Grey grease
Phenyl content	2.5~20% (mol %)
Viscosity, 25°C	3,000,000~6,000,000cst

Note: These values are typical and are not intended for use as specifications.

APPLICATIONS

SiSiB® BC8001 is widely used for vibration damping, shock absorption, and sealing in extreme low-temperature environments.

Typical applications include aerospace components, railway systems, and precision mechanical assemblies that require long-term stability and excellent mechanical performance under stress. Its high viscosity and flexible consistency make it especially suitable for cold-weather lubrication and cushioning.

PACKING

SiSiB® BC8001 is supplied in 20Kg pails and 200Kg steel drums.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website,

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from the distributor, or by contacting SiSiB customer service.

STORAGE

In the original unopened packaging, SiSiB[®] BC8001 has a shelf life of 36 months in a dry and cool place.

NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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